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A Condé Nast Publication

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Number

January 1932

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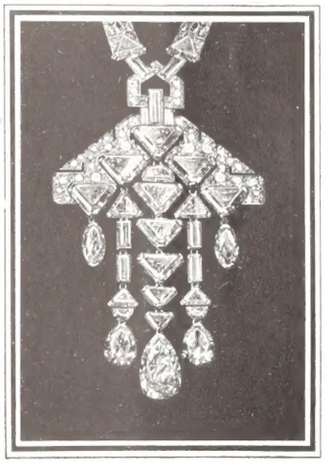
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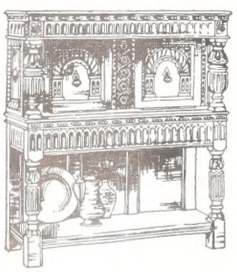
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Vol. No. 61, No. 1



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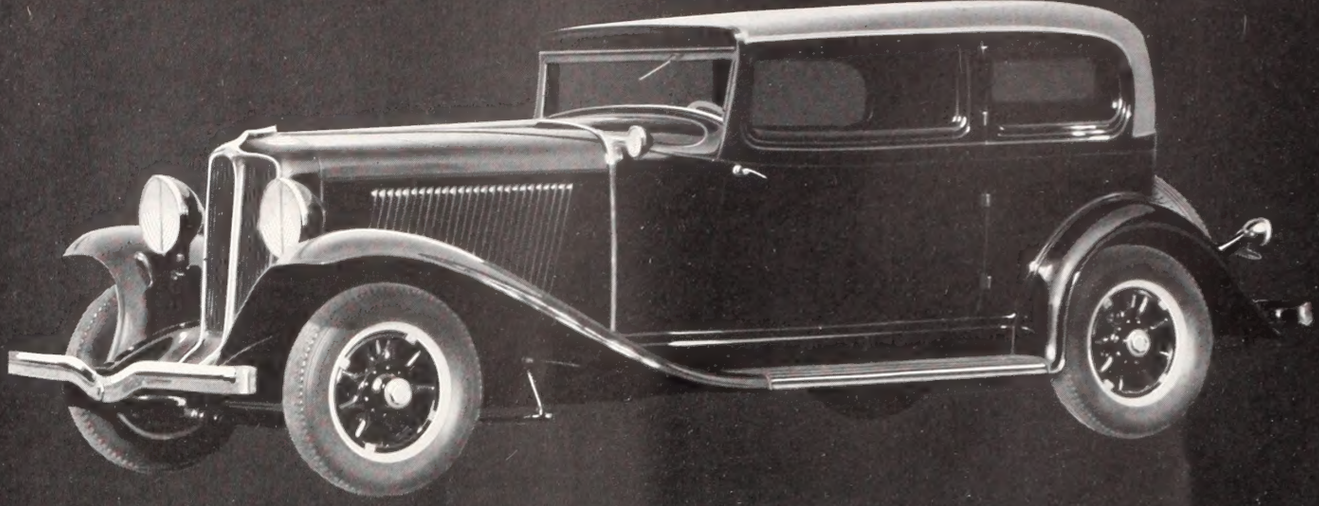
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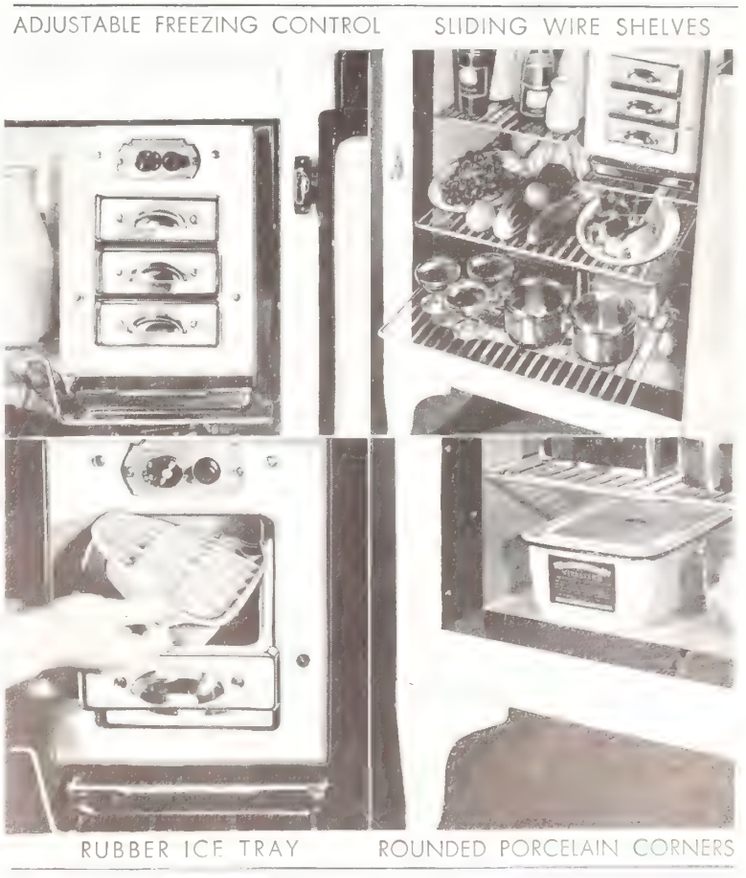
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New York
ANTIQUES INTERIORS

MIRRORS are an important package in the bag of decorating tricks. Canny folk use them to make small rooms seem large and dark rooms light. The entrance hall gains interest when decorated with a console table and mirror. At the right is a mirror, 18 x 9 inches, framed in mahogany, and decorated with a colored print, $5. Boulevard Shop, 220 Northern Blvd., Flushing, L. I., N. Y.



A blue pottery vase below the mirror contains wax Lilies of the Valley. Vase and flowers, $5.50. Mrs. Wiltbank, 764 Madison Ave., N. Y.

ARTICLES discovered in a shop of decorative accessories features a collection of gay pottery of the modern German type. In all colors and designs these charming objects enliven the walls. Among the outstanding pieces was a graceful bowl which showed an interesting resemblance to similar pieces of Chinese art. Brilliant red, it is mounted upon two small lions, curiously like the devils of Confucius. In the Eastman-Kuhne Galleries, 37 West 46th Street, N. Y., one can also find a number of unusual cigarette boxes covered with leather in smart modern designs. Especially desirable among these was a box done in tan and two shades of brown and another, silver and black.



THE bath is fast becoming the *pièce de résistance* of the modern house and decorators are constantly conjuring up new ways to make it smart. One of the latest and most attractive accessories is a finger tip towel with wide border in a design adapted from a quaint old calico pattern. White towels of this type have colored borders sprinkled with tiny white flowers, the designs block-printed by hand with indelible colors. Black, brown, red, yellow and burnt-orange borders are available, $10 a dozen. Chez Le Bain, 751 Madison Ave., N.Y.

IF you're looking for an unusual wall light that is practical as well as a gay decorative note, here is just the lamp, particularly if the dark space happens to be in a Cape Cod cottage or one of the Colonial variety. While it is a copy of an old-fashioned chimney oil lamp in its external details it is equipped for electric light and provides a strong and steady glow in place of the uncertain flicker of the old kerosene flame. The round reflector, which is about 7 inches in diameter, casts additional brilliance. This lamp may be had either in an attractive brass or copper finish, stands 14 inches high and costs $3. It may be had by writing to Tuttman, 103 Allen Street, New York City.

The Decorative Studio
129 Fulton St., E.
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Louis 15th wallshelves—$28.00. Exact copy from original. Combined ivy and flower wrought iron container. Two feet high—$18.00. Adjustable brass lamp—$16.50. Parchment shade—$4.50. Seat or footrest—$42.00.

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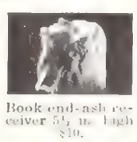
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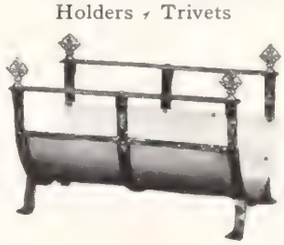
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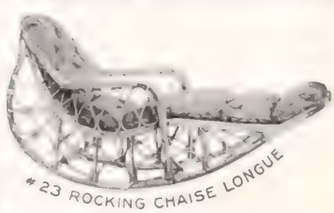


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The Condé Nast Publications, Inc.

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New York City

A DECORATIVE [illegible] that [illegible] With a room of [illegible] architectural [illegible] formal [illegible] pieces of furniture [illegible] balanced decorative arrangements and backgrounds [illegible] lished. At the right is a small fire-screen that could be used effectively in a [illegible] more formal type of bedroom. A delightful floral design in mauve, rose and blue is [illegible] on a soft green ground. Height, 39 inches; panels, 16 inches wide. Processed leather; $50. Venetian Art Screen Co., 540 Madison Ave., N. Y.



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YOUR highball glasses will strike a smart new note if they are engraved with your monogram. With this motif for their sole decoration and of crystal clearness they have [illegible] distinguished [illegible] relief from the riotous designs and violent [illegible] to identify the beverage glass. A 12 ounce glass with three-letter monogram etched by hand in a good-looking diamond design may be secured for [illegible] Hecht's, Model [illegible] East 60th Street, New York.

HERE is a smart new chair of natural rattan for southern use. It can be used indoors or out; exposure cannot injure the black, water-proof seat cushion piped in blue, green or yellow to match small decorative accents on the chair. A practical feature is a pocket attached to the right arm which holds your glass. $31.50. Grand Central Wicker Shop, 217 E. 42nd St., N. Y.



WITH closet space at a premium in these days of two-room apartments, some thinking person has discovered a way to add inches of storage space to each closet. A cabinet, 6½ inches deep, 68 inches high and 24 inches wide, is hinged to the closet door fastening, tightly closed, against the door panel, when not in use. A variety of shelf arrangements may be secured. They can also be used hung on a room door, being especially useful in kitchen or bath. Mahogany, oak-color lacquer or colored finishes. Hammacher-Schlemmer & Co., Inc., 145 E. 57th St., N. Y.

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We got into the cigarette business in this small way by listening to a few cranks. They said that by adding a little Listerine to an already good cigarette they got a better cigarette. One, that gave them a cooling, more satisfying smoke. They wanted us to produce, commercially, a cigarette that would include some of the cooling Listerine essences.

Against our best judgment, we acceded to their wishes. Such a cigarette, we argued, couldn't possibly succeed in these days when big cigarette advertisers are flying at each other's throats with ten million dollar tomahawks, in the form of advertising.

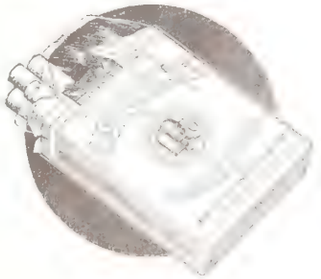
But they *have* succeeded—without advertising, until now. One woman told another. Men too passed the good word along. Little by little the news leaked out that here was a fine cigarette—not a medicated cigarette—that gave a delightfully cool, sweet, and refreshing smoke.

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Here endeth our ad.

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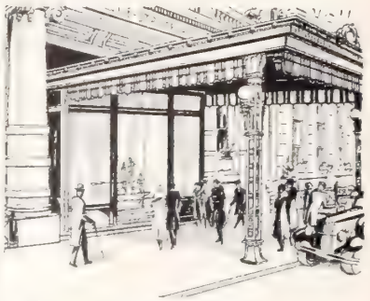


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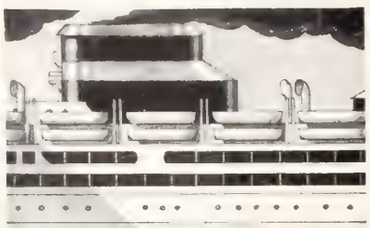
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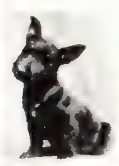
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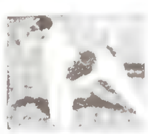
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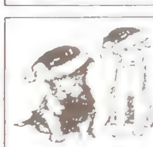
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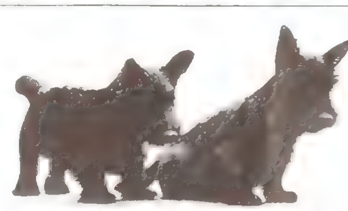
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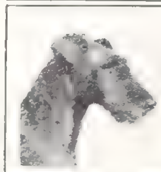
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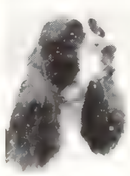


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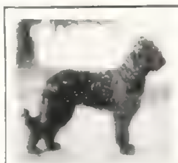
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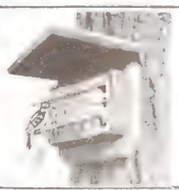
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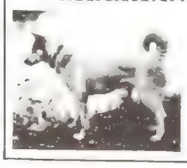
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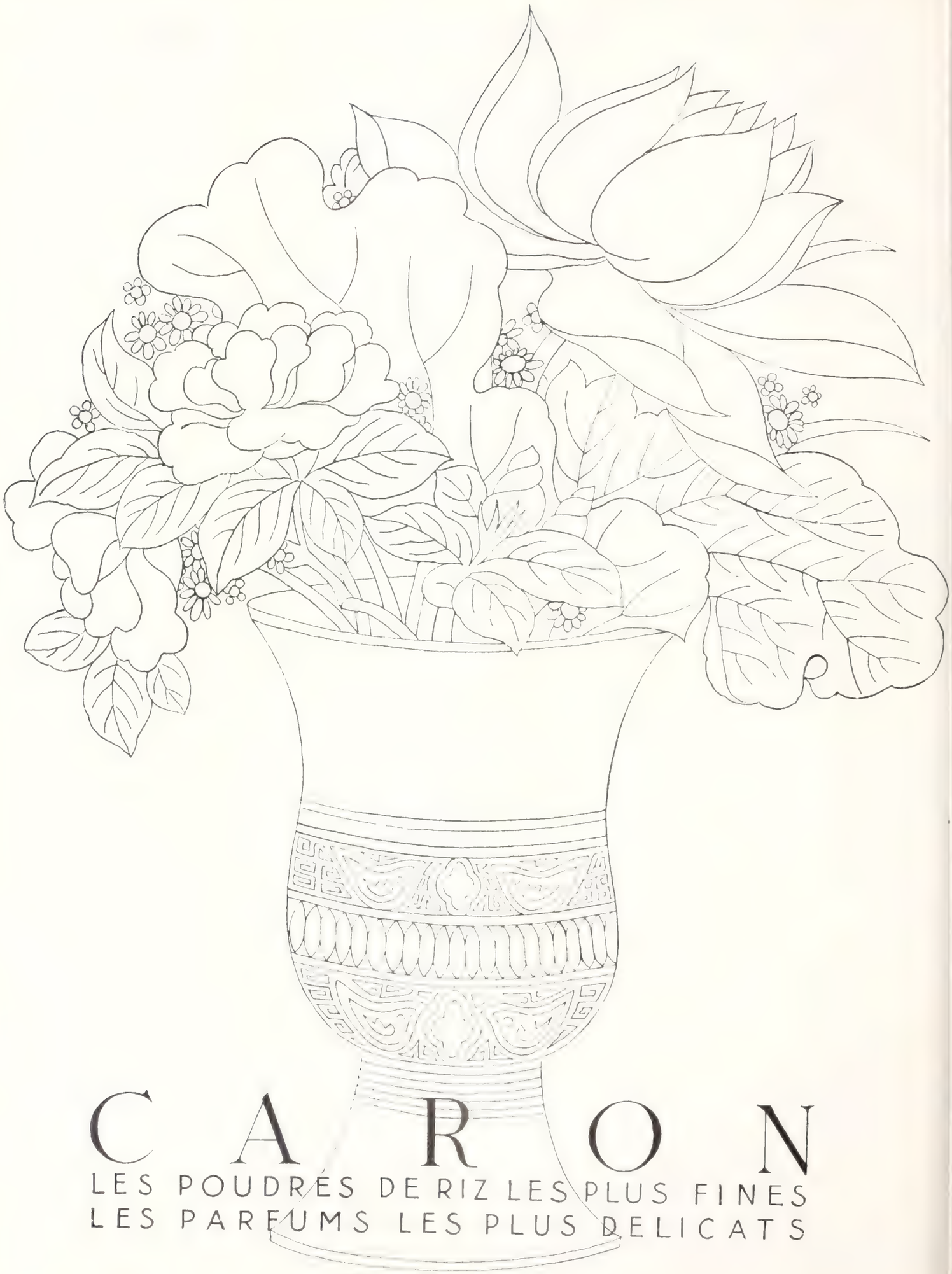
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COVER DESIGN BY GEORGES LEPAPE
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JANUARY 1932

It is of the essence of successful home building that every definite move shall be preceded by calm and perhaps lengthy consideration of all its phases. Not even the experienced may buy a site or sink a foundation on the sharp impulse of the moment. How much more deliberate then should be those to whom such affairs are in the nature of a rare adventure upon strange paths.

Think well and thoroughly, therefore, determining each detail of the plan before it is too late, or too expensive, to turn back. But once the last kink is ironed out, stand not upon the order of your going. For months past we have preached the wisdom of "Building Now [illegible]" the threshold of a new year our belief in it is even stronger than ever.

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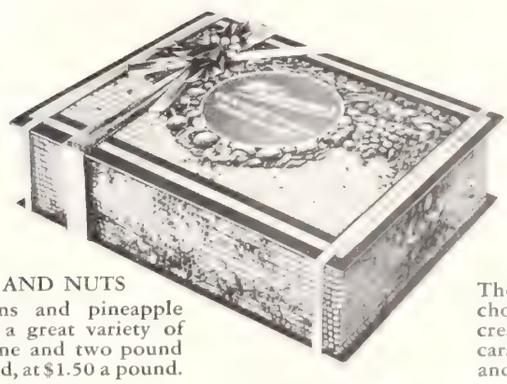
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THE SHAGGY ERA. Or, perhaps, you would prefer to call it the return of homespun. A fabric by any other name would be just as rough. For that is the current trend in textures—both curtain and upholstery fabrics have laid aside their sleek surfaces and are appearing unshaven and unshorn. Just what this means—if it means anything—we cannot say. Perhaps, having tired of our super-refinements, we are getting back—in fabrics at least—to more primitive tastes.

COLOR SCHEME NOTES. From the veritable rainbow of color schemes that the past month has displayed, HOUSE & GARDEN selects the following three:

(1) White walls against which are placed vivid colors. The walls are shiny white and the colors strong. Emerald green and vivid blue are two of the favorites. These appear in curtains, upholstery and accessories.

(2) A drawing room papered in gray and silver, with gray taffeta curtains and yellow painted furniture.

(3) The shaded room in reds and pinks. It starts with a deep red carpet for foundation. The upholstery is a lighter red and when the curtains are reached they appear in pink. For background the walls are the light green at the base, shading up to the faintest green suggestion at the top.

BOOKS AND BIBELOTS. When it comes to the library, the world is divided into two great classes—those who enjoy books as old and tried friends and those who consider them as decoration. For the former, there can never be too many books in the room or in the house; all else is subordinated to them. Those who consider the decorative qualities of books make a more elastic use of them. They do not think it necessary to huddle them in one spot, nor do they consider books so aristocratic that they will not mingle with other cultural indications.

The library of the very bookish person may become monotonous, even though the diversity of colored bindings forms a gay and changing background. The library of the less bookish person really offers more interest. Thus the serried ranks of books can be broken occasionally by a bibelot—a figurine or a bit of sculpture, a colorful box in rare woods or a piece of old copper. These afford a diversity of attraction.

Why would it not be possible to break the uppermost shelf with an electric clock? Cases of excellent design are now available, and all one needs is a wall outlet behind the shelves.

DRAPERY RAMPANT. One of the effects of the Victorian taste, which has been creeping in on us for some time, is the current popularity of the draped effect. Curtains are being draped in all manner of extravagant ways. We are hanging walls loosely with fabrics. Quite a number of the new wall papers show a drapery design. These effects are suitable for Biedermeier and Empire rooms as well as Victorian, and since Empire and its Deutsch relation are now very much in vogue, we expect to see the draped effect become even more rampant.

TO A GOOD KITTEN

Miss Purrington, our kitten,
A furry little elf
Whose eyes are ruby-litten,
Is energy itself,
Save when her coral nose is
Between her forepaws, where
She blissfully reposes
Upon the softest chair.

Miss Purrington, the kitten,
Adventures east and west;
What errant prince of Britain
Pursues a darker quest?
The harbors of her roaming
No map nor chart reveals,
And yet she makes her homing
Unfailingly for meals.

Miss Purrington, the kitten,
Brought in a mouse today;
But, if that mouse was bitten
(In self-defense, or play),
Devoid of malice, surely,
Is meekness such as hers
Who washes so demurely,
So innocently purrs.

Miss Purrington, the kitten,
Can cheer the darkest gloom;
Each paw a velvet mitten,
Her tail a waving plume,
To her my lay is written
Whose charms no song can sum,
Miss Purrington, our kitten,
The pearl of Kittendom!

—ARTHUR GUITERMAN

FOR GARDEN CLUBS. We were rather appalled to learn that a recent count of not all the states in the Union discloses the Federated Garden Clubs listing no less than 1,163 separate organizations. When the remainder of the states are in, the figure will probably rise to 1,400. In the Garden Club of America are 93 more.

With these figures facing us, we hasten to suggest a garden personality subject for these clubs to study—the life and works of those six Mughal emperors who reigned in India from 1526 to 1707, and under whose supervision were built the amazingly beautiful gardens of which we read in Mrs. Villier-Stuarts' *The Gardens of the Great Mughals*. Great soldiers were among them, great poets, wise administrators, profligates and tyrants, and yet love for gardens persisted

[redacted]

need for a different type of so-called double-purpose furniture and to provide much better designs. Of course, contemporary designs offer marvels of ingenuity. What appears to be a table opens up into a bed, kitchenettes hang on walls, and buffets conceal refrigerators. But even for more conservative tastes, there are pieces that are in perfect harmony with period decoration. A really handsome secretary provides storage space for linens and even for a radio. Radio cabinets themselves may be end tables or desks. Small chairs can be used equally well in a living room, or bedroom, or dining room capacity. All this is very encouraging, not only to flat-dwellers who want tasteful rooms, but also to those who plan some day to have larger homes and who want to buy furniture which will stand up, in beauty and usefulness, under a change of scene.

PERSONS. This issue contains the work of eight architects, ten decorators, and two garden specialists. Miss McClelland, who decorated the house shown on pages 28 to 31, is known not alone for the beautiful rooms she creates, but has also written *The Practical Book of Decorative Wall Treatments* and *Historic Wall Papers*. She has been decorated by the French Government. Richard H. Dana is a New York architect. So also are Julius Gregory, Robert M. Carrere, Raphael Hume, Leigh French, Goodwillie & Moran. Erle G. Stillwell practices in Hendersonville, N. C. Herbert Durand is the author of two books on American wildflowers and Mrs. Wilder's most recent volume is called *Adventures in a Suburban Garden*.

AN OPUS ON ORIENTALS. Doubtless the last word will never be completely spoken on Oriental rugs, but it is closely approached by Arthur Urbane Dilley in a monumental work recently produced, *Oriental Rugs and Carpets*. Here is their history and the history of the peoples who made them. Here is set forth the manner of their designing and their weaving and even a chapter on their use in decoration. Mr. Dilley is possessed of a facile pen and he spins his history with an enchanting style.

ART AND THE ENSEMBLE. The amateur of art, who has hitherto considered the ownership of paintings and sculpture the privilege of a few very wealthy and often solemn collectors, now faces a new opportunity which the art galleries themselves are fostering through the nature of their exhibitions. A number of exhibitions this season present works very much in tune with the current spirit in decoration. We have learned to go down side roads in decoration—to collect Victorian, Biedermeier and provincial French and Italian pieces, and to assemble them with a modern flair. So we may now select works of art which are less important for the signature of the artist or for any exalted place they may occupy in the roster of the immortals, than for their delightful harmony with our favorite schemes. Portraits and delicious landscapes by anonymous primitive American artists, native interpretations of Staffordshire pottery, old weathervanes, the works of famous or even minor French "Sunday" painters—all these appeal to us because they are naïve, and because we are just sophisticated enough to appreciate their freshness and fitness with the rooms we are creating in the same spirit.



From France a façade comes to rest on the slope of a New England hill

THE HOME of J. F. McClelland at Greenwich, Conn., is the transplanting of a smaller French manoir to New England. Through the skill of the architect, Richard H. Dana, various French details were easily worked in. Decorations by Nancy McClelland; landscaping by Davidson & Constable



YANKEE BECOMES A FRENCH MANOIR · By R. L. Mason

ARCHITECTURE, like fine brandy, is often improved by a sea voyage. It takes on a new life and seems more readily to adjust itself to its new environment. This has especially been found true of the smaller French farmhouse and manoir. They carry well to America and, given intelligent treatment here, lose all air of being foreign and exotic. They are accepted immediately into the society of good American architecture. But—the treatment must be intelligent. It was intelligent treatment that made the home of J. F. McClelland at Greenwich, Conn. so successful a transplantation.

The problem presented by the site was a steep hillside to which the owner wanted to adjust a house of the French manoir type. This was solved by placing a ground floor on the bottom of the slope, behind the façade shown on the page opposite, and bringing the main floor one flight up. This ground floor contains the entrance hall, stairs, dressing room, playroom, the usual furnace and store rooms and a two car garage in each wing.

The bottom section is of brick stuccoed, with cream stucco over timber construction above it to the high, steep, gray slate roof with which the house is finished. In the tower is contained a circular stairs. The girouette on the peak of the tower is an old Louis XIV weathervane of a little angel blowing a trumpet.

In order to break the height of this entrance front the wall up to a band course at eight feet is painted light gray, giving contrast to the cream of the walls above. Over this is placed green trelliage that, in addition to giving a pattern to the lower wall, makes a wide horizontal band that helps the house sit comfortably on its site. Around the bottom are massed Rhododendrons faced down with Andromeda. English Ivy is planted on the trellis.

Another commendable feature is the way the entrance door is treated. Instead of the portico roof being supported by columns, which are always in the way, this four-foot cover is held in place by iron brackets.

Throughout the house the windows are metal casements, but instead of painting them a dull color, which makes the windows seems like dark holes, the architect has painted both the frames and the muntins white. This is a French custom that might well be more widely adopted here. With these windows no shutters are necessary. In fact, the only blinds on this house are those on the rear terrace, where they were placed and painted terra cotta brown because that façade needed some things to warm it and to relieve the austere effect of the many window openings.

IN THE rear of the J. F. McClelland house at Greenwich, Conn., a paved terrace and flat lawn make a satisfactory setting. It is supported on each hand by low retaining walls and a balanced box window. R. Lord H. Dean, architect.

One more item, and we can leave this entrance façade—the bottom floor of the two balancing gable ends contains a garage for two cars each. The doors are featured by giving them a sturdy design and painting them dark green. This is precisely the sort of thing the French do on their porte-cochères. The stables and carriage houses were a part of the manoir itself and were given architectural recognition.

The balance of the front façade is repeated on the rear. Between the two extensions, lies a wide paved terrace, its lines being carried out each side of a *tapis vert* by low retaining walls and miniature hedges that enclose Tulip beds. These lines give perspective to a long *allée* that finds its focal point in a statue at the end. A



THE SALON contains a cosmopolitan mixture of French, English and Italian 18th Century pieces, against a paneled Louis XV background. The parquet flooring is in a French pattern. Portraits are of the period. Nancy McClelland was the decorator

two-story bay with windows at both stories rises to break the eaves on each extension. A balanced distribution of casement windows is maintained throughout.

Passing through the entrance door, we come to the hall. Here the floor is of two colors of green slate laid diagonally. Doors and woodwork are painted apple green and, to carry on the Gallic heritage of the house, the walls are covered with a green and gray lattice paper copied from an old French book on trelliage.

From an antechamber at the head of the stairs double doors open on the salon. This room is paneled in a simple Louis XV design and painted cream color in tempera. Tempera gives a wall a texture and quality that no amount of oil paint can convey. The mantel is an old stone example, Louis XV in design, and very much the color of the walls. At the windows are curtains of percale with a cream ground and patterned in a design of birds and flowers in colors reminiscent of those Chinese papers which were made in the 18th Century for the Western trade.

For furniture, the salon contains various pieces from the 18th Century of England, France and Italy, an international mélange that lends the room a cosmopolitan air. The materials with which this furniture is covered were chosen to harmonize with the various colors in the curtains. A parquet floor, made after an old French design, affords an excellent basis for Oriental rugs in subdued colors.

Long French windows at the rear of the salon open upon the terrace and look out on the Tulip garden and down the alley into the background of woods.

Turning into the library, we find a room of quite different character. Here the walls are paneled in oak with bookcases of a Louis XV design. The curtains are of heavy linen with a grayish ground, and green and dark red predominating in the design. For furniture, Miss McClelland has selected a mixture of English and French country pieces that are in themselves an invitation to settle down with a well-chosen book.

As the library occupies one of the extensions, so does the dining room fill the other. A pale blue Chinese paper covers the dining room walls and the curtains are flame-colored. A fine selection of English furniture is used here.

Another room of unusual interest is Miss McClelland's bedroom. The walls here are painted a soft yellow pink with the exception of the niche for the bed, which is lined with a flowered paper on a cream ground. This niche is draped in blue taffeta with old embroidered mull curtains beneath it. One of the curtains serves also for bedspread. The window curtains are of percale made with the same design and in the same colors as the papering in the niche, and the head and foot boards of the old bed are upholstered in the same material. The room is furnished with an interesting collection of Louis XVI country pieces. On the floor is a fragment of an old Aubusson carpet colored in rose and blues.

We have mentioned the long *allée* that leads from the rear terrace and past the Tulip beds. Its end is formed by a niche of Hemlocks and tall Cedars, housing Carpeaux's statue of the boy with the shell, in terra cotta. The color of this little statue is repeated on the terrace in the reddish-brown covers on the chairs, and again in the terra cotta pots set along the stone wall surrounding the Tulip beds and in the shutters at the lower story windows. The border at each side the *allée* is composed of old-fashioned flowers—Bleeding Heart, Beebane, Iris, Delphiniums and Giant Buttercup edged with English Daisies. These flowers from the east agree amicably with the architecture of the house which, itself, is so reminiscent of country days long ago in a far land.



THE LIBRARY is panelled in oak of Louis XV design. Curtains gray linen figured in reds and greens. Venetian blinds take the place of glass curtains. English and French country pieces furnish this room





SQUARES of [illegible]-toned green slate form the floor of the entrance hall. This diagonal pattern is repeated in the gray and green trelliage paper which further harmonizes with the green of the woodwork. Beyond [illegible] which rise in the tower

THE [illegible] furnished with a balanced pair of canapés covered in crimson damask. This view also shows the rounded corners of the room and the interesting [illegible] been built out to hold the curtains

A procession of women



MOST of us look vaguely on the past of our country as a series of political and military marches and counter-marches. Here and there a figure is thrown into relief, but the ordinary person fades into the dim rabble. It would be interesting—and we suggest it as a winter's pastime—to idle through tales of the past as if watching the march of a great army of all kinds of men and women. Sit in the audience, as it were, and suddenly cry, "Stop!" The man or woman nearest the center of the stage halts, steps to the footlights and tells her story. Let's try it. . . .

FROM their accent, we gather that men and women now passing are Yankees. Their gait is alert and independent. They are raw-boned, erect and each carries some ware. . . . "Stop!"

Before the footlights comes a little woman. Hannah Davis is her name, from East Jaffrey, New Hampshire. On her arm is slung a band-box. Hannah's story is this:—to make ends meet in her day—and her day was toward the beginning of the last century—she took to fashioning band-boxes. They were built of pliant strips of wood, usually oval, and lined with old newspapers. These were made in winter. When spring came she started on the road peddling them from town to town and to isolated farmhouses. At first she trudged on foot with only a few band-boxes, then, as business improved, came a buggy to carry her wares. Eventually trade grew to such an extent that she had to load up a wagon with band-boxes. Thus did Hannah Davis make a decent competence for herself and family. . . .

THE procession moves on. The dialect changes. The tempo becomes slower. There are darkies in the crowd. . . . "Stop!"

Margaret Haughery—and 'tis a fine old Irish name. Born Irish too, for her maiden name was Gaffney. She was born in Baltimore and moved to New Orleans in 1836, with her husband. On his death, finding herself in reduced circumstances, she finally accepted work as a common domestic at an orphan asylum run by the Sisters. So well did she do her ordinary chores that, when the Sisters opened another orphan home in the country, she managed it till the debts disappeared. This she accomplished by applying business methods to the running of the dairy. And when the institution was on its feet, she started a dairy of her own. This prospered, and was followed by a bakery in the heart of New Orleans. Although now making money, Margaret Haughery still drove her bread cart around the streets of New Orleans as she had driven her milk wagon. The remarkable fact about her was that all she made by her industry was spent on orphans. When she died, New Orleans erected a statue to her. . . .

The people in the crowd now are singing hymns ecstatically. Their faces are lifted as if to see a vision. They are led by a tall, dishevelled, long-haired man. He has tramped and ridden thousands of miles in practically every state of the Union. A fiery illiterate creature, his sermons spout brimstone and eternal damnation. Yet in his shadow walks a lovely little woman. . . . "Stop!"

Peggy Dow. In all the history of our itinerant preachers there never was such a faithful wife. On Lorenzo Dow's great gospel perambulations she followed him unfalteringly. While he stirred the backsliders, comforted the sick, cheered the downhearted and spread the glad tiding of salvation up and down the countryside for years, Peggy was by his side to aid him. And not only did she suffer the hardships of the road, the indifference and inhospitality of many who would not accept her husband's preaching, but she also listened enraptured—ten to fifteen times a week—to his sermons! Much has been said of the burning zeal and arduous labors of those itinerant preachers who brought the Gospel to the unchurched and neglected countryside of America; little, however, has been written of the fortitude of the wives of these preachers. Such a valiant woman was Peggy Dow. . . .

THE procession moves. The marchers become more colorful. They strut across the stage. Their postures and speech reveal them as actors, showmen, fair folk, making a meagre pittance by amusing people hungry for laughter. Stage sets and costumes go along in wagons. Some are dancing masters on the side, some teach the guitar. Some. . . . "Stop!"

The footlights pick out the slim figure of Miss Cheer, of the American Company of Comedians, the first organized troupe of professional actors to appear in this country. Their day is long before the Revolution. At Charleston there joined the company this lovely little person, fresh from successes in London's theatres but willing to take her chance in the wilderness of America. Up and down the Atlantic seaboard she rides in that wagon with the troupe, over rutted roads and through unbridged streams. Her repertoire is no less than forty plays. Year in and year out she amuses audiences with her acting and her singing. Even the Caribbean Islands enjoy her. Having given this pleasure to a vast concourse, she retires to a little town in Jamaica—and the world has forgotten her when her end comes.

THAT's the way you play this game. You may stop men or women. From the shifting tides of America's past pluck them out and ask their stories. Some are sordid, some are colorful, some valiant indeed, some will make you laugh and some will make you weep. Most of them, though, record fortitude to an amazing degree—fortitude in physical danger, fortitude in times of sickness and famine and war, in circumstances of poverty and of great temptation.

Such are the fabrics of human beings from which the vast tapestry of America has been woven. And it is to memories of these people we can turn when the times demand fortitude of us.

—RICHARDSON WRIGHT



Tebbs & Knell, Inc.

The pagoda hood for a doorway

Out of the land of the rising sun, along with Mr. Chippendale's furniture, came inspiration for this detail. Here its graceful silhouette and dark tones are in interesting contrast to white walls and rectangular lines. The home of Patrick Butler, Shaker Heights, Ohio. Raphael Hunter, architect. Other views on pages 52 and 53



Extremes meet in these novel color schemes

MRS. JUSTIN O'BRIEN'S dining room in Southampton, L. I., has a vivid color scheme. Bright yellow walls and brilliant green of curtains, rug and chairs are emphasized by a black floor and blue ceiling.

THAT seal brown makes a luxurious setting is apparent in the drawing room below. How striking are the coral notes, the cream and gold settee, the white flowers, against this rich background! Mrs. Tuckerman Draper, decorator







White notes against bright dark blue

Behind Edmund Lowe's yellow door

By Una Nixson Hopkins



Houses have definite characteristics as certainly as the people who live in them: There are gay and charming houses; dull and grave houses; houses that you loiter before, longing for a glimpse within —and those you are impelled to hurry past, in wonder at their being.

In his various places of residence, Whistler always emphasized the front door, the burnished copper door of his house in Chelsea, facing the embankment, being the most famous one.

Coming upon a bright canary yellow door, framed by giant Bamboo and lacey Pepper boughs, at Beverly Hills, California, one's attention is immediately intrigued, and although the house is almost hidden by trees, one feels that here is a gay and charming dwelling—and longs to see beyond, to know the dwellers.

You enter through the yellow door into the house of Mr. and Mrs. Edmund Lowe—Lilyan Tashman.

Within, through windows framed by the entrance hall, you face a sun bespattered patio, partly shaded by a sweet-scented Acacia tree, the bloom of which is the same flaunting color as the door.

In the two-story living room a tiled stairway leads to an upper balcony, which has landscape painted walls. The furnishings are international: A Spanish hand-woven rug—beige, copper and blue—supplies the color notes. Fine pieces of English and Spanish Renaissance furniture are preeminent. There are old Italian brocades, French lamps and Chinese ornaments. Mrs. Lowe's collection of old silhouettes and miniatures is arranged about the fireplace. The windows are deeply recessed and inner blinds, painted sky blue, and slightly decorated, augmented by dull red and gold curtains, keep out the insistent California sun.

Just beyond the living room is a garden book room, all glass on the garden end and opening into it, with a low window on the patio side, the floor flush with the garden walk. Two walls of the room are filled with books, so here one may enjoy the garden and a favorite book at the same time.

The dining room in another wing has casement windows on the front looking into the Pepper tree, and glass doors open into the patio. A heavy walnut dining table, Cromwellian chairs, and a high, carved credenza are consistent with a floor of tile. Faded red, damask curtains, against a wall of natural plaster, which prevails throughout the first floor, together with old silver and wonderful flower arrangements complete the room.

The unusualness of the garden book room is matched by the card room above, off from the upper balcony, available from the garden and patio by an outside stairway. The room in effect is white: White walls; white furniture, for the most part; white silk curtains with tie-backs of Calla lilies, ingeniously made of metal, painted white. The Empire sofa and one chair are covered in a striped material—two shades of pale yellow. Delightful English Empire chairs—white trimmed with gold—have seats of needlepoint, white flower arrangements on a field of mulberry. Outside, the window boxes are filled with white Petunias, and boughs of the yellow Acacia brush against the windows.

A cosmopolitan spirit is evident in the furnishings of Mrs. Lowe's bedroom—for the most part modern adaptations of Venetian—all in the palest beige, ivory and gold. The white and gold bed is draped in beige moiré silk.

The foreground of the garden is paved with flags and shaded by an aged Olive tree, thus equipping it for comfortable outdoor living and dining. In mid-garden is a small table shaded by two wooden umbrellas, and called the breakfast room.



Hillier

THE HOUSE of Mr. and Mrs. Edmund Lowe—Lilyan Tashman—at Beverly Hills, California, is hid behind a garden of Olive, Pepper trees, Bamboos and Acacias and the entrance door is painted in gay Acacia yellow



M[illegible]



OVERLOOKING the pool is the garden card room, with its white walls, white furniture and white curtains and Empire sofa upholstered in pale yellow. The only strong color is found in the chair seats and [illegible]

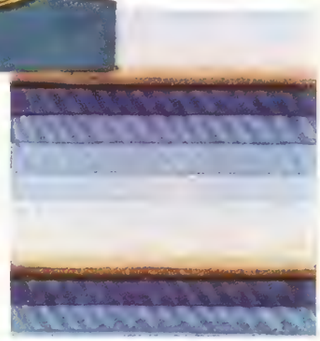


THE studio living room is two stories high and affords space for a collection of diverse furniture and bibelots, informally arranged for a maximum of enjoyment. Copper and blue are the predominant color notes of this room

Officers of the American Institute of Interior Decorators choose six color schemes









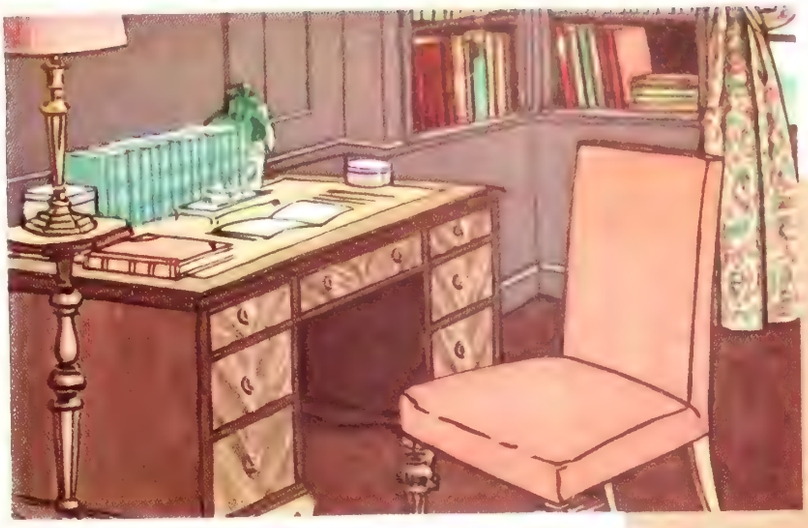
WILLIAM [illegible], president of the newly named American Institute of Interior Decorators, suggests the scheme above for a living room. The chintz of the curtains is used for slip covers on two fireside chairs. Other furniture is in the satin stripe at right. Accessories, white, coral and blue. Schemes on these pages were selected by the six officers of this society





IRENE SIDLEY, secretary, selected the dressing room scheme above. Wall paper has gold leaves on ivory ground and the ceiling is in gold tea-box paper. The curtains are of ivory georgette with gold bullion fringe. Another chair is in the green, gold and ivory striped moire shown at the left. Ivory linoleum with gold leaf border makes an effective floor

[illegible] PLUNKETT, president of the Institute, offers a vivid scheme for an Empire hall, stressing [illegible] green—a new color in decoration. The ceiling is emerald green; black carpet with green stars and border. Green is repeated in curtains and marbleized walls. Furniture is in cherry red velvet and the green and gold Empire damask at the right



and browns of textiles and rug. The curtains are in brown.

below, selected by this decorator, is a red, white and blue combination that would be appropriate for Regency, Empire or Federal furniture. Cur-

white and an oyster white cur-

vice-president plans a model bedroom around fabrics by Rose & Daly. Shown at the right of the bed is a yellow chintz. Accents in beauty and greens—are used for hangings, with glass curtains of gold gauze. Ceiling, daffodil yellow; rug, blue-green. Furniture is in blue-





Gay combinations

to produce colorful effects

in the important rooms of the house

Lustrous walls for this age of metal

By Harold D. Eberlein

THE metallic background in decoration has returned to popular favor—a popularity that is chiefly attributable to the influence of modernism.

Whether we like or dislike modernism, we cannot be blind to the fact that it has had certain definite effects upon the taste of the public at large. One of these effects is an alert recognition and appreciation of lustrous metallic qualities. Metallic luster occurs in fabrics for upholstery and hangings, in furniture, exterior architecture, and in a dozen and one aspects of decoration. Gleaming metals of various kinds are so conspicuous a characteristic of the present decorative era that we might call it "The Age of Sparkle" with perfect propriety, just as we speak of "The Age of Walnut" or "The Age of Mahogany" when referring to the different phases of 18th Century furniture.

We can have metallic backgrounds both burnished and dull. With the burnished surface we get the maximum of luster and reflection; with the dull surface we still get the lustrous metallic quality in appreciable measure, while the intensity or reflection is greatly reduced. Besides gold and silver backgrounds, there are many other metallic surfaces, and in every gradation of luster, from the hard glitter of chromium plate to the soft sheen of old lead foil, with aluminum, bronze, brass, copper and monel in between. Moreover, these surfaces can always be modified in one way or another by treatment with various applications affecting their tone.

In using metallic backgrounds, one fact should be kept clearly in mind. A metallic background is not loud, blatant or aggressive. On the contrary, while a metallic background may be rich in quality, it is quiet. Take gold, for example. Gold used in large quantities over a wall surface is quiet and restful; a little gold imparts elegance, and distinction; an indiscriminate medium quantity of gold in between, neither very much nor very little, is noisy and vulgar. Unfortunately the mid-Victorian tradition of much shoddy, ostentatious metallic glitter, has left a bad taste in most people's mouths and caused disturbing timidity and distrust extremely hard to overcome. As with gold, so is it also with other metallic surfaces that are used as backgrounds. The quantitative effects of distribution hold good in all cases.

Another thing most important to remember respecting metallic backgrounds is that metals in decoration are not colors, and are not to be regarded from the same point of view as colors. Though metals have color, their hue is removed from the ordinary status of color and stands in a position quite apart. The hue of gold, for instance, is more or less yellowish according to the character and amount of alloy, but with a gold background you are free to do all sorts of things you would not dream of doing with a yellow background.

Ordinarily, metals in company with colors perform the function of accents. When there is a metallic background, however, the relation is reversed and color must impart the accent. Since metal throws every juxtaposed color into sharp relief, whether it be dull or bright, even mouse grays and somber browns acquire subdued brilliance and distinction they could never achieve on a background of color. Metallic walls squeeze out every drop of color potentiality and make it count to the utmost. It thus becomes possible not only to compose effectively with but one or two colors in a low key but also to produce a certain brilliance with colors that we should ordinarily consider dull. Dark gray-blues, grays or browns, for example, will assume a degree of life and vibrant energy that they would



George W. Harting

A POWDER ROOM in Mrs. Thomas Ewing, Jr.'s New York home has walls covered in aluminum paper with colored decorations. Doors and trim are gold, the dado is deep blue marbleized paper. Kerstin Taube, Inc., decorators





never display on any color background. Brilliant colors will gain a corresponding intensity from metallic walls.

Thanks to the enhancement afforded by a surface of gleaming silver or gold, designs painted in monochrome take on great richness and warmth. As an instance of this enriching quality might be mentioned Chinoiserie devices painted in blue on a silver ground or, again, chiaroscuro subjects in umber on a silver ground, the metallic surface giving high lights and emphasis in a most vivid manner. Black designs on gold assume a comparable degree of life. And these monochrome treatments on metallic grounds seem to take on a diversity of coloration in a mysterious manner of their own. This is due to the reflections of color from sundry nearby objects, for a metal wall has more or less the properties of a mirror and catches up all manner of lights and colors without actually reflecting images. The brighter and smoother the metallic surface, the richer and more varied will be these reflections. Sometimes they come from outside the room, sometimes from objects within, varying with the lights from hour to hour—and they impart an indescribable vital quality to be gained by no other means.

This same vital quality produced by the reflective powers of the metallic background is shared by walls that bear no painted decoration. Some considerable portion of each wall is always alive and full of reflected color. Of course, when the surface of the wall is broken up so that the angles of reflection are constantly changed there is a correspondingly increased play of high lights and reflected color. When walls are covered with silver or gold paper there are various ways in which this breaking up the surface can be effected. The paper can be put on in squares with the grain of the paper running horizontally and vertically in alternate squares. Or it can be put on in a variety of other ways that will produce interesting texture and present infinitely varied facets of reflection.

A perfectly smooth metallic background without painted decoration or some such method of breaking up the surface is apt to be as monotonous as the inside of a sardine tin, especially if the surface is aluminum painted. Aluminum paint on a rough plaster surface, however, is an entirely different matter; it immediately gains life. It can be converted into a pale gold by a thin coat of orange shellac.

With all the modern methods of concealed and indirect lighting, the reflective value of the metallic background becomes an invaluable asset in diffusing an agreeable radiance. The value of the reflective properties of metal walls must also be kept in mind with reference to the apparent size of rooms. Though in a lesser degree than mirrors, the metallic background has the effect of increasing apparent size in much the same way.

Another quality of this type of background is that it is pitiless and exacting in its requirements of clean-cut and pure contour. Just as it accentuates the properties of color, so does it also throw into incisive relief the contour of every article entering into the composition of a room. This is a good thing. It penalizes slovenly arrangement and faulty lines; at the same time, it rewards good (Continued on page 74)

MODERN murals painted on silver paper make gay walls in a room's bath shown at the bottom. In the home of Mrs. Morris W. Stroud, Jr., Villa Nova, Pa. Doors and baseboard black, black and silver curtains. Interiors Elizabeth H. Patrick, decorator

AN unusually smart decoration for use on dining room walls consists of panels decorated with figures taken from Grecian urns, painted in shades of white and shell pink, with black accents, on copper paper. M. Alexander McDonald was the artist



THE problem of planting a corner window box is cleverly solved in this Berlin apartment by a combination of Crocuses, Cinerarias, Cacti and others. They are grown in pots covered with sheets of moss. This treatment would be attractive in any of our modern sunrooms; flowers can be chosen for the color scheme

There's an indoor garden for every style and size of room



AN airy arrangement for the window of a small sunny room is the white wire plant stand at the left that forms a halo about an entire window. No over curtains are needed with the frilly, scalloped edges. The Russel Wright Studio. (Below) A pottery pyramid with blue and rose decorations on a tan ground. Brightly colored tiny pots are filled with miniature Cactus plants. Carbone, Inc.





THE small wall bracket below would be smart and appropriate used on the walls of a partly enclosed terrace where pots of flowers are banked on the stone floor and on plant stands. The yellow pots have designs of birds and flowers in blue and rose. From the Mayhew Shop

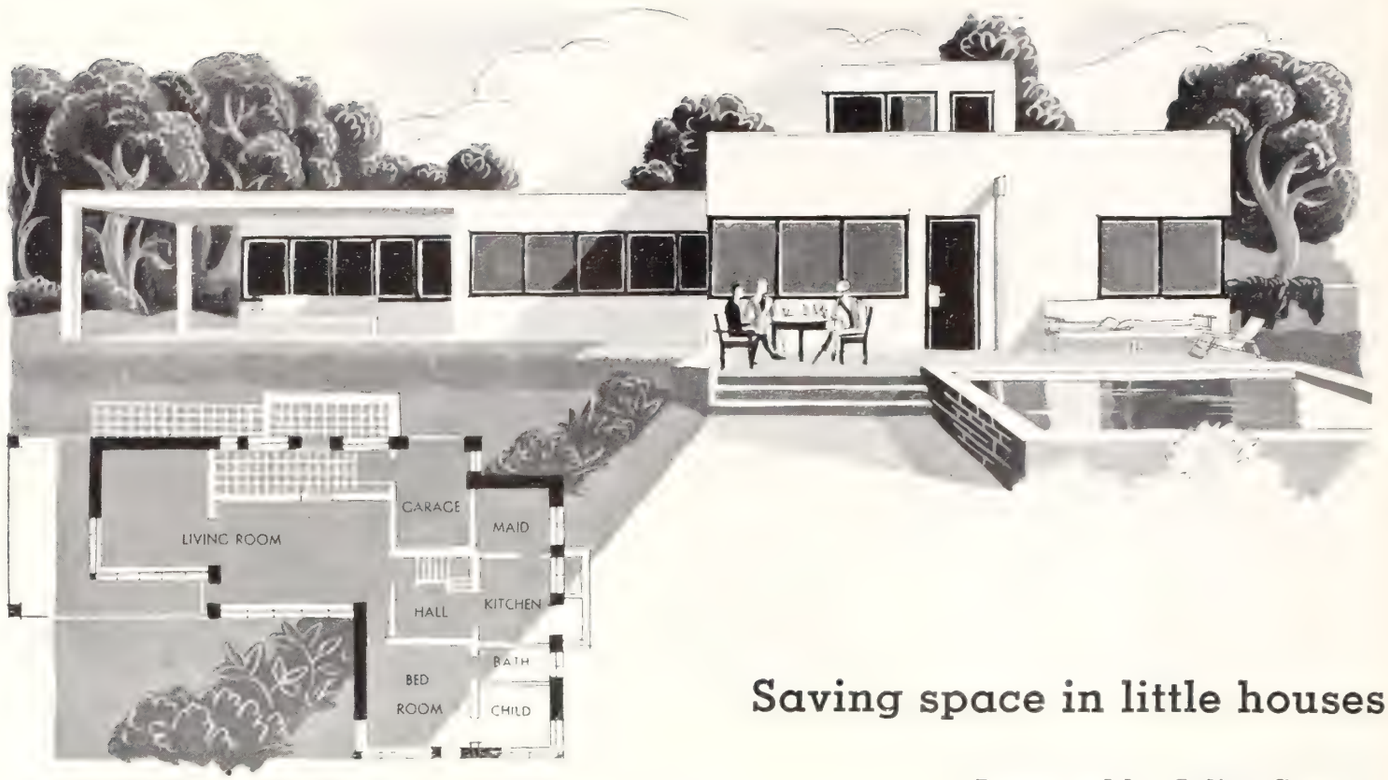






THE small low, green iron plant stand at the left is easy to care for [illegible] you can fill with flowers, bulbs or the small green things you like. It is here shown filled with a pleasant variety of forest plants including Ferns, Wintergreen, small Hemlocks and Club Moss. It would also be attractive planted entirely with Crocuses or double Tulips. Courtesy of the Arden Studios

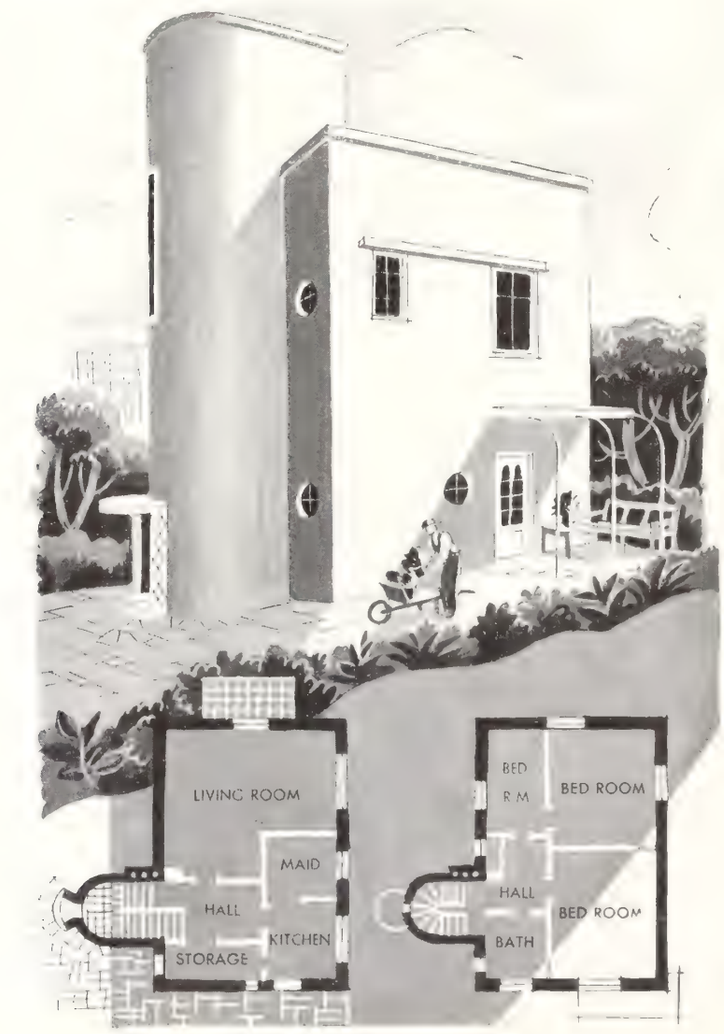
THAT an indoor rock garden can be successfully combined with a modern interior is proven by the photograph above. Ferns, Cactus and all sorts of interesting rock plants are placed in a deep niche, while the walls of the room are painted with tropical trees and birds. Vines climb the walls of the niche and pots of Cactus decorate the ledge. The lighting for it is [illegible]



AS THE GERMANS PLAN FOR MODERN LIVING

Saving space in little houses

Presented by Julius Gregory



ANOTHER GERMAN DESIGN, WITH STAIRWAY IN TOWER

NOTHING is more interesting to the country house architect than the problem of a small house. It puts him on his mettle and though he knows the chances are that he will not make anything, he can be sure that not only will he earn the undying gratitude of his clients, but that the accomplishment will be bound to bring him greater rewards in his career.

It is usually the young people just starting out in the world who want a small house and whose boundless enthusiasm and interest are always an inspiration to the architect. The one great obstacle to overcome is their tendency to conceive of the house as a miniature that will have everything in it which would be found in a dwelling twice its size. All else they think of is that it shall not cost too much. And so it comes to be a part of the architect's job to discuss with them the necessity of getting down to fundamentals in their manner of living and, consequently, in the operation of the place they are to live in.

I would have the person who contemplates the building of a small house stop and think of the tendencies of our times—the very definite trend toward simplification. Then let him conceive of his house as a dwelling for the future so that whatever goes into it shall be good for the years to come. I would call attention to the modern domestic work which has been developed abroad, particularly in Germany, to emphasize what can be done toward a simple way of living and its effect upon the planning of a home. Here in this foreign work one finds the utmost of light and sunshine, small rooms and closets, one bath, no dining room and the kitchen as a veritable laboratory.

It is not expected that the prospective builder shall adopt all of these ideas, because in many respects they represent the antithesis of his own American feeling about a home. We have a longing for charm, the homelike quality and a very strong sentiment for old things;

we want an extravagance of space and room for. Yet there is much that may be learned from the modern way of planning. Indeed, the apartment builders of today have gone far in this direction and as one is to build a good small house for the least amount of money, it certainly behooves him to build in keeping with this present practical trend.

In order to get the utmost from the small house, it is necessary to stop and consider one's way of living. While all houses begin with that, it is in planning the little one that economy of operation must be given the utmost of consideration. Our country house architecture of today is beginning to have much of the expression of the modern work of Europe, but so far it has been only in adaptation of the more or less decorative forms with little conception of the principles of simplicity and necessity which brought this type of architecture into being. The small house is the logical vehicle for this modern expression and should be planned, furnished and operated in that spirit.

If one's attitude is right and he has the conception of simple living, then he goes forward to the consideration of the plans. A simple plan means a simple form of building which in turn means economy in every detail of construction. The whole thing starts and ends with a definite mental conception. A jumbled state of mind will be certain to result in junk, while the alert, thoughtful and ordered one will produce even better than it dreams.

As for the practical considerations in the design and construction, it is well known that the rectangular form, with few breaks or extensions, is more economical than the plan which is broken up, because it means the least amount of labor and material for construction. Next to that in importance comes the use of materials covering the house—the dress and its hat, for we are always thinking of our house as a living entity. If a small house is to have charm, it must be simple in treatment and should not be covered with every available material, as if it were the exhibit of a building supply company. All moldings and doors should be of stock design, which if utilized by a good architect will make a start toward the pleasing house.

A low house, rectangular in shape, with an interesting doorway and entrance, the walls of simple material such as white shingles, brick or stucco and a dark roof of slate or shingles, of pleasant proportions and interesting spacing of the openings (*Continued on page 78*)



A NINE ROOM GERMAN HOUSE COMPACTLY PLANNED



PROPRIATE AMERICAN DESIGN BY

Before and after—two rooms plus an idea become places in which to live and play





[illegible] Averill Smith

Pierre Dutel, decorator

PROVINCIAL French charm has delightfully transformed a living room in the [illegible]









LEFT. In the hallway which opens off the sitting room the walls are painted a dull, blue-green and charmingly decorated with French marine scenes in tones of terra cotta and brown. A small provincial table of fruitwood holds pots of growing plants. A divided door at the left opens onto a stair leading to the basement game room

ILLUSTRATIONS show the game room in the Mattison house before and after alterations. A rustic atmosphere is created by stone walls, terra cotta tile floor and thinly white-washed ceiling of fumed oak. Doors and woodwork are antique red. Red and white gingham curtains and upholstery. An old wagon wheel makes a lighting fixture



LONICERA NOTHA is one of the many bush forms of Honeysuckle, adapted to a variety of placements. It is upright and strong growing, with freely borne blossoms of white, yellowish or pinkish color that open in May and June. In July and August its red fruits give it a very different effect

Honeysuckles of branch and tendril

By Louise B. Wilder

WHETHER you consider them numerically or in the light of their meritorious qualities, the Honeysuckles are a great race. There are no less than ninety-nine species, besides many varieties. Among them are both evergreen and deciduous kinds, some of climbing habit, others growing into graceful, wide-spreading bushes. They are widely distributed in the northern hemisphere and while certain species will not endure out-of-doors in the colder parts of the country, for the most part we may paraphrase the old nursery rhyme and say that when they are hardy they are very, very hardy. The Himalayan species are apt to be tender but a majority of the others are among the very best cold climate plants.

Their family is that of those fine old pioneers, the Caprifoliaceae (*sic*), to which belong also the dainty Linnaea of our cold northern woods and the popular garden Weigela. The generic name, Lonicera, was bestowed in honor of a German botanist, one Adam Lonicer, who lived in the 16th Century. The common name explains itself; it has long been in use, though sometimes shared by other plants, among them the Red Clover and the pink wild Azalea, *A. nudiflorum*. When early works on plants spoke of "Honeysuccle" or "Wodbynde", however, they referred clearly to one of the species of Lonicera.

The tubular flowers of Honeysuckles, while seldom showy, have a sprightly grace. Often they are borne with such unrestrained freedom—sometimes in the axils of the leaves, again in terminal bunches—as to make the bush or vine a conspicuous and wholly charming object. Many of the species add delicious fragrance to their other attractions, and altogether it is rather astonishing that so few kinds are commonly grown.

A garden of any size and pretentions usually boasts many kinds of Lilacs, often a fine collection of Mockoranges, even of Barberries and Cotoneasters; but the Honeysuckles, save for a few kinds, are conspicuously neglected. This is the more remarkable inasmuch as they are not difficult to manage, any fair soil and situation sufficing for their needs. The climbing varieties for the most part are woodland plants and thrive best in cool, leaf-moldy soil safe from the hottest sun. The bush varieties, on the other hand, love sunshine and should stand free of other shrubs where they may develop their special grace without hindrance or crowding. I have found them easily moved at almost any season, even when they are in full leaf, if the bushes are kept well watered afterward.

The charming flexuous climber which Turner in his *Names of Herbes*, 1548, called Wodbynde is *Lonicera periclymenum*. This is the plant that graces British hedgerows and scents the countryside. Gerarde wrote of it: "It groweth in woods and hedges and upon shrubbes and bushes, often times winding itselfe so straight and hard about that it leaveth his print upon these things so wrapped." In this country the Virginia Creeper is often called Woodbine, and other climbers that have borne the expressive name are the Ivy and the Clematis. *Lonicera periclymenum* and its variety the Dutch Honeysuckle, *L. belgica*, are highly desirable climbers, bearing their pale tubular blossoms, streaked on the outsides with carmine, in terminal bunches throughout the summer and filling the air about them with a rare sweetness. They climb to a height of about twenty feet.

More commonly seen in this country is that variety (*Continued on page* 80)

Around the world with modern glass

Shining examples from master designers of fine craftsmanship in crystal · By Dorothy Fleitmann

To pick out crystal for the house is a most delightful undertaking these days when one contemplates the important part glass plays in the field of decoration and the great variety there is now on the market for us to choose from.

For many years the European antiquarian has devoted time and thought to the collection of glass in every shape and form, whereas its development in America has always been retarded by various means. As a young country she was faced with the struggle for material existence, so that there was little time to devote to the finer arts. The materials which came were of the poorest, and, most important of all, there were no guilds or trade societies such as existed all over Europe.

In this age of commercialism and mass production it is difficult to appreciate the love and care which were lavished on the fine art of glass blowing and engraving in the past, when the craft was passed from father to son, each in turn serving his apprenticeship ultimately to become master of his trade. In England today there are two old craftsmen left trained in the old traditions and capable of the finest type of glass blowing and engraving. These men are working on the "Alden Goblets"—a set of twelve glasses which take for their subjects British field sports. They are modeled from an 18th Century glass in the Victoria and Albert Museum and engraved after the original drawings by Henry Alden. The emblems on the reverse side of the goblets are reproduced from a set of buttons made for a sportsman's coat, and were drawn by Ben Marshall for his friend Thomas Cosden—most famous book lender of the day. These goblets, so fine modeled and exquisitely engraved, will undoubtedly stand as a lasting tribute to the best art of the glass blower and engraver of the 20th Century. The issue of these sets is limited to twenty-five, and a guarantee from the makers has been obtained to the effect that they will not be copied or reproduced.

But in spite of the passing of the guilds and their methods, there has come a renaissance in the sphere of glass. It started in the late 19th Century and swept through France, Sweden, Holland, Germany—in short most of the countries artistically prominent in Europe. It is amazing to follow the artisans of this period and see, through their creative genius, how each has established his own identity, against which the background of his country is manifest.

One of the pioneers of this movement was the Frenchman Gallé, born at Nancy in 1846, who founded a factory at his birthplace in 1874. He it was who, through different treatment, created opaque colored glass and from then on gave color to materials without loss of transparency. From the naturalism of his day, when design relied entirely on richness and variation of color, we have traveled far. The last fifty years have given way to gradations of color tones, elimination of the superfluous, geometrical lines of more sophistication,



ENGRAVINGS ON REVERSE



THE ALDEN GOBLETS, ENGRAVED WITH SPORTS SCENES



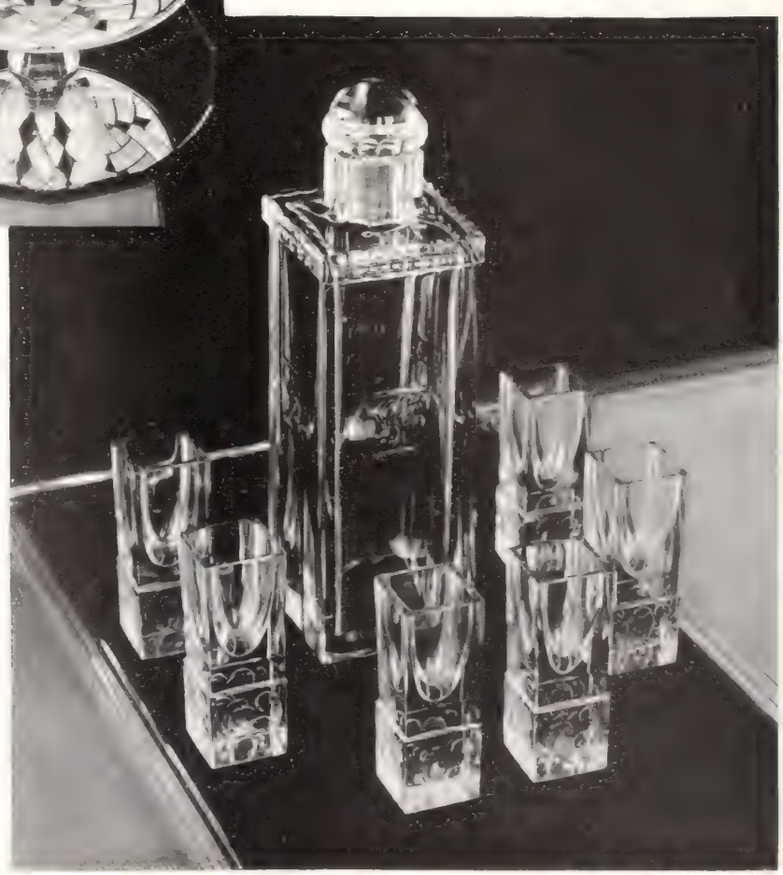
Unusual in shape is the Swedish glass decanter above with large ball stopper. This has the smoky color characteristic of much Orrefors glass. Imported by A. J. Van Dugteren

all infinitely more in harmony with the architecture of this time. The place left open by Gallé was taken over by René Lalique, who in the early years of this century was already reputed as a jeweler. Since then he has devoted himself primarily to household crystal, at the same time being responsible for the Fountain of the Esplanade des Invalides and the mural decoration of fountains on the S.S. *Paris* which has created so much comment. His perfume flasks are really enchanting in texture and fine design with the result that indiscreet imitation of his work continues unabated. For his designs he relies chiefly on nature for inspiration, taking sometimes a fine leaf pattern—such as he used in one of his best known crystal table sets—love birds, subtly formed for an inkwell, fish or flowers in a sculptured relief effect finished in a clear frosty glass, all of which are entirely individual to Lalique. His work is a perfect example of discipline up to a certain point but he is occasionally apt to be over elaborate. It is to originality and grace that his work owes most success, combined with beautiful material and fine line.

Another foremost in the art of glass blowing is Maurice Marinot. He started his career as a painter and has since be-







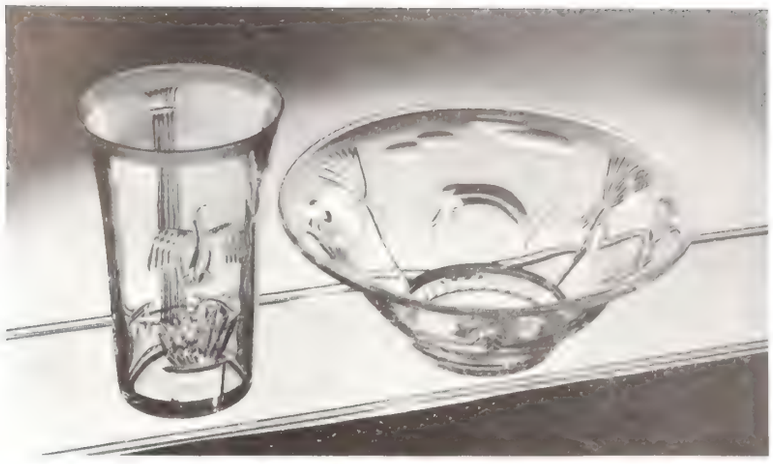
Above are crystal candlesticks by Jean Luce, the type of cutting making them very brilliant. Ehrich Galleries. Center of page Engraved green glass bowl by Daum, with frosted design. Wanamaker

Effective cut shape and delicate design on the [illegible] are features of the carved crystal liqueur set at right, designed by Lobmeyr of Austria. Brownell-Lambertson Galleries

Martha Armstrong

come among the most modern of gla workers. His first glass relied on vivid color whi h enhanced the transparency of the clear glass, and from this he went into the thick smooth material which has become such a vogue. Air bubbles, considered so faulty in old glass craft, he turned by rhythmic repetition into most successful ornamentation. He had neither system nor formula, often combining enamel work and engraving. "To be a glassmaker," he wrote, "is to blow the substance of transparency into the blind furnace and reblow it with the tools of his art, his lips. To work in the heat, smarting with fever, the eyes full of tears, the hands seared and burnt." He felt his creations and it was that, perhaps, which gave them the grand austerity which marked their definite character. Marinot never repeated.

Jean Luce may also be counted as one of the most important contributors to this group. He was first discovered at the Paris Exhibition of 1925. Ceramist and glassmaker in the beginning, he achieved fame with adorable objects for the dining table and dressing room in glass. He modeled glass with decorations of great finesse and attacked his subjects with a lightness and buoyancy unsur- (*Continued on page 78*)





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Tebbs & Knell, Inc.



Steeply pitched roofs give interest to an Ohio house





WHERE the sharply pitched black slate roof creates a striking effect on the front facade, it is ingeniously saved from appearing too startling by the metal hood over the entrance which carries the same feeling. Vertical lines of lower story windows offset the roof effect on the rear. Raphael Hume, architect.

TO THE right is a wall of the living room, and on the opposite page a view of the dining room, showing the bow window which looks on the garden. This is the residence of Patrick Butler at Shaker Heights. William Pitkin, Jr. and Seward H. Mott were the landscape architects. Dorothy Davis was the decorator.



Spring blooms eternal in the modern home

Devices that turn an arid indoor atmosphere into breath of springtime · By Elizabeth Hallam Bohn

SCIENTISTS and engineers are making us air conscious, to the extent that we now realize we can think better, sleep better and have better health during these midwinter months if we provide even temperature, adequate humidity and continuous moving air currents indoors. Unless we live in fresh, clean, moistened air, we cut down the efficiency of the human machine and overtax the heating apparatus.

In industry, air conditioning has become a familiar term; many of our largest stores, office buildings and theaters have systems which control atmospheric conditions. This science of weathermaking is fast becoming an important consideration in the home, and in a few years it will not be necessary to travel North or South to find our "comfort zone", for it will be within our own control and in our own domiciles.

ARTIFICIAL heat has brought in its wake many evils, among which the common cold ranks as one of the most serious. The prevalence of colds in winter is attributed by many physicians to poor indoor air conditions. The indoor atmosphere in winter is much drier than in the summer months, for cold air does not contain as much moisture as warm air. The trend toward airtight construction of houses, too, reduces the midwinter infiltration of air. In fact, the hermetically-sealed modern house, with its insulated walls, double windows and storm doors brings little or no fresh air during zero weather. Therefore, if we are to safeguard our health and, incidentally, our furnishings and even our houses themselves, we must introduce sufficient moisture artificially.

THE amount of moisture the atmosphere holds is known as relative humidity. The American Society of Heating and Ventilating Engineers, who have carried on extensive research on this subject, recommend for weather comfort indoors a room temperature of 68 to 70 degrees F., with a relative humidity of 40 per cent. The amount of moisture that air can hold varies with the temperature. Raising the temperature increases the moisture capacity, and scientific studies show that as much as a bathtub full of water, or from 12 to 20 gallons, may be evaporated in a house of average size during winter months if it is kept at the comfort point.

According to one of our great thermal engineers, the indoor atmosphere of the average American home in cold weather contains less humidity than the Sahara Desert! So again we have the all-important question—in a different interpretation—to be dry or not to be dry! This time it confronts millions of home owners. Engineers have developed humidifying systems which are most satisfactorily solving this problem. Devices have been developed which will fill each room of the house with continuous moisture, changing and purifying the air until we are almost deceived into feeling that a cold, raw January day has become a balmy one of June!

These machines come in a wide variety of types. Roughly, these almost human machines may be divided into two classes; first, those operated in conjunction with the heating equipment, as an adjunct to the furnace or in place of a radiator or register, and second, humidifiers operated independent of the heating equipment. The latter group are electrical or non-electrical, a large number of these are portable and supplied with water by hand.

THERE is a tremendous difference in the price of humidifiers, for they range from the simplest water pan to the most complete heating and air conditioning system. The radiator pan types are as inexpensive as two dollars and fifty cents, portable electric table models range from ten dollars up, wall, cabinet and radiator sorts begin at one hundred dollars, and the heating systems with air conditioning units cost about the same as a furnace.

Through the invention of a small instrument known as a hygrometer, it is possible to determine to a nicety, the relative humidity of the indoor atmosphere. Several companies manufacture these devices, which in turn are supplied to manufacturers of humidifying equipment.

The genius of one of the greatest thermal engineers in America inspired the humidifier developed by the Carrier-Lyle Corporation. This humidifier for home use is a complete air-conditioning heating system which pumps the warm, clean, moist air it produces into the rooms and controls the temperature automatically, draws back the air from the house as it cools, and reconditions and recirculates it.

For those who contemplate building a new house or have decided to replace an old furnace with a newer type, the air-conditioning heat unit manufactured by this company, will not only heat the house, but supply it with proper humidity as well. Five distinctive models are on the market, each designed to meet the particular needs of houses of different sizes. This company maintains a staff of engineers who supervise the planning and building of each individual installation.

A TYPE known as a humidifying radiator is produced by Doherty-Brehm. One of these acts as a heating element as well as a humidifier, and can be installed to displace one of the centrally-located radiators in the house. It is connected to the house heating system in the same manner as an ordinary radiator, and if properly located is adequate to moisten the air in an entire house or an individual apartment. The cabinet type humidifying radiator embodies two fundamental principles. It supplies a large area of shallow water with heat, and deflects the heated air currents across the surfaces of the water by the patented design of the radiator sections.

If the home owner is not interested in the cabinet construction, the humidifier may be recessed in the wall. For the large house, this company makes another model which is designed to be attached to the heating in the basement.

Three distinct types of humidifiers have been placed on the market by the Lewis Corporation. One that has won considerable favor is a non-motorized air conditioner containing a simplified unit for use in steam heating systems. This model provides any desired relative humidity in a space not exceeding 15,000 cubic feet, and is completely automatic. Model two, is a motorized humidi- (*Continued on page 72*)

MORE detailed information regarding any of the equipment mentioned in this article, the addresses of manufacturers or retailers or recommendations as to the most suitable types for particular needs will be promptly furnished upon request to House & Garden's Reader Service, 420 Lexington Ave., New York City





Smart houses and gardens for most fastidious fishes come from various lands

IMPOSING enough for the most fastidious of fishes is the Regency aquarium shown standing on a long tubular base of chromium. This is metal painted bottle green touched with gold. The top is removable. Jones & Erwin [illegible] tail fish from Worcester

LEFT. How advantageous to peer through the glass table top at tropical fish [illegible] and conch shells. [illegible] This aquarium consists of [illegible] bowl on [illegible] plate glass which rests on wooden rails to [illegible]

Modern forms and decorations now glorify the goldfish bowl







For shimmering toy tropical fish, nothing could be more appropriate than the decorative tall aquarium shown at the extreme left which was inspired by a Japanese temple jar. It has a teakwood stand and pierced cover. Yamanaka

The sea blue Venetian glass aquarium above imprisons a glass mermaid. Benello. Below. Modern French fish bowl with crystal fronds and black and green glass fish brilliantly illumined by light hidden in mirrored base. Pierre Dutel

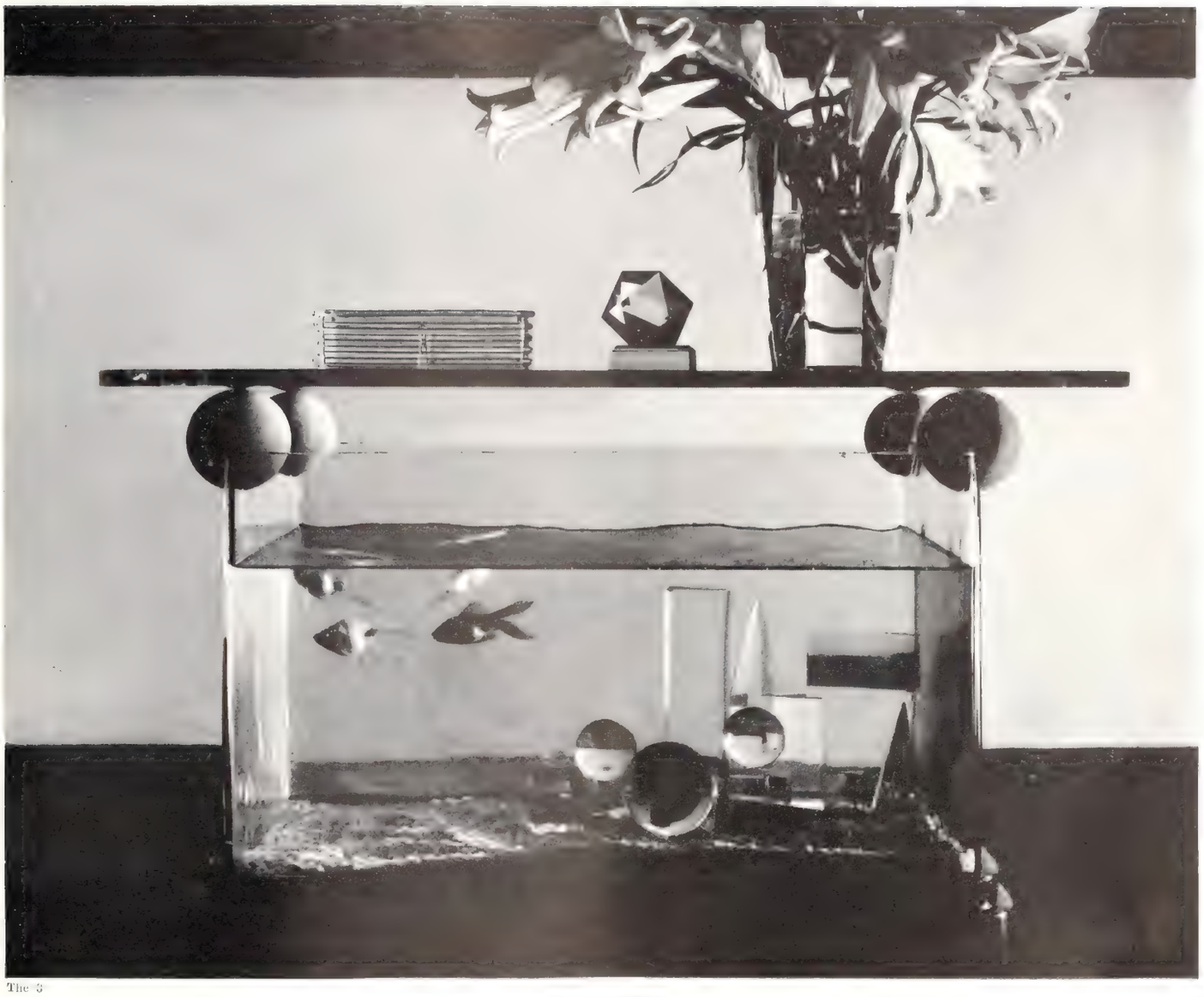


Arthur Anderson



George W. Harting

The tiny bowl above contains a Japanese water garden and several guppies—gleaming fish less than an inch long. Eastern Gardens. Colorful objects for aquariums are shown in the center. Cream pottery temple. Wanamaker. Purplish blue mermaid and green dolphin of Venetian glass. Venetian glass also are the red and green flowers in foreground. Benello



The "3

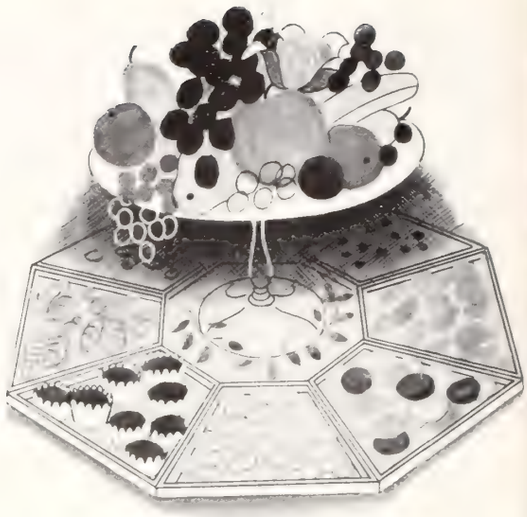
EVEN fish have responded to this age of sparkle. Quite the most modern of aquariums is the smart glass table shown above, decorated with a garden of geometric forms in crystal. Jewel-like fish dart through spheres, cubes, cones and obelisk of limpid glass. From Jones & Erwin

RIGHT. A crystal garden in delicate pinks, green and amber blooms in this French bowl—illumined by a light concealed in the black wood base. Nicholas & Parker. Brilliant tropical fish of all kinds and equipment for aquariums may be obtained from Wilkins Tricker



When living jewels dart through realms of glass

Ingenious ideas to enhance a house have practical merit as well

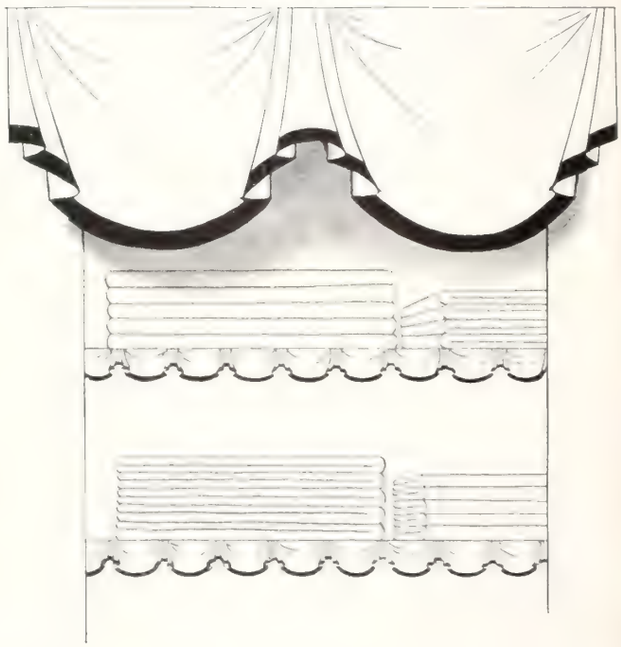


A DECORATIVE use for your cherished old Waterford glass perfume bottles is to make them into dressing table lamps. They are not attached to the weighted base, so they can still be filled with scent. This idea, and the ruby and white glass bottle shown, come from Jessie Leach Rector, who also designs the shade



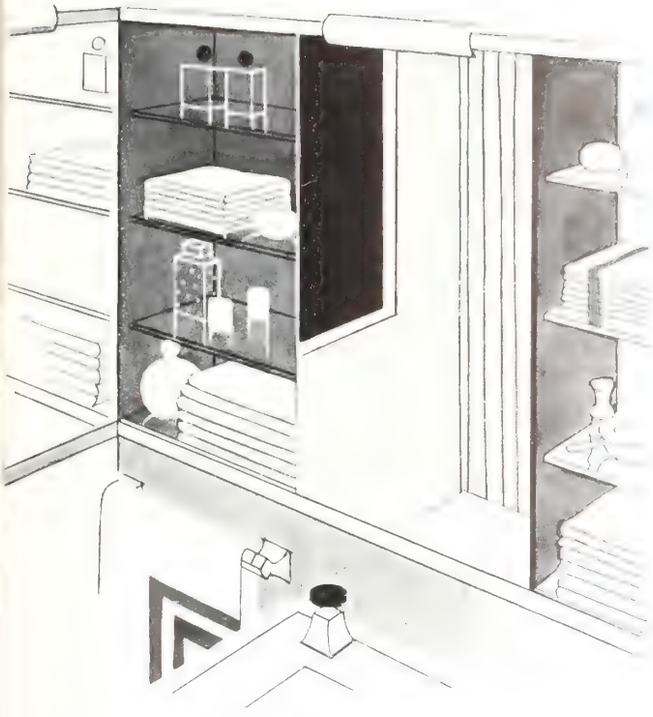
IF YOU want a colorful centerpiece for your luncheon table that is not commonplace, take a set of Chinese sweetmeat dishes—fill each alternate section with nuts and different candies. The center unit has a glass compote filled with fresh fruit to complete the edible array



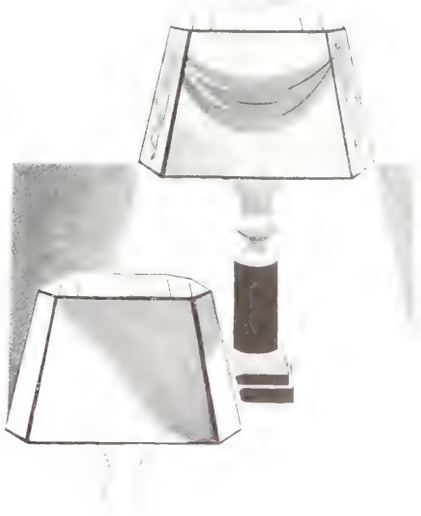


A PRACTICAL idea that makes your hangings serve two purposes. Edge each curtain with fluted organdy which gives the effect of a pair of organdy curtains underneath. The glazed chintz has a design of white magnolias with green leaves on a white ground. From Johnson & Faulkner. Curtains designed by Empire Exchange

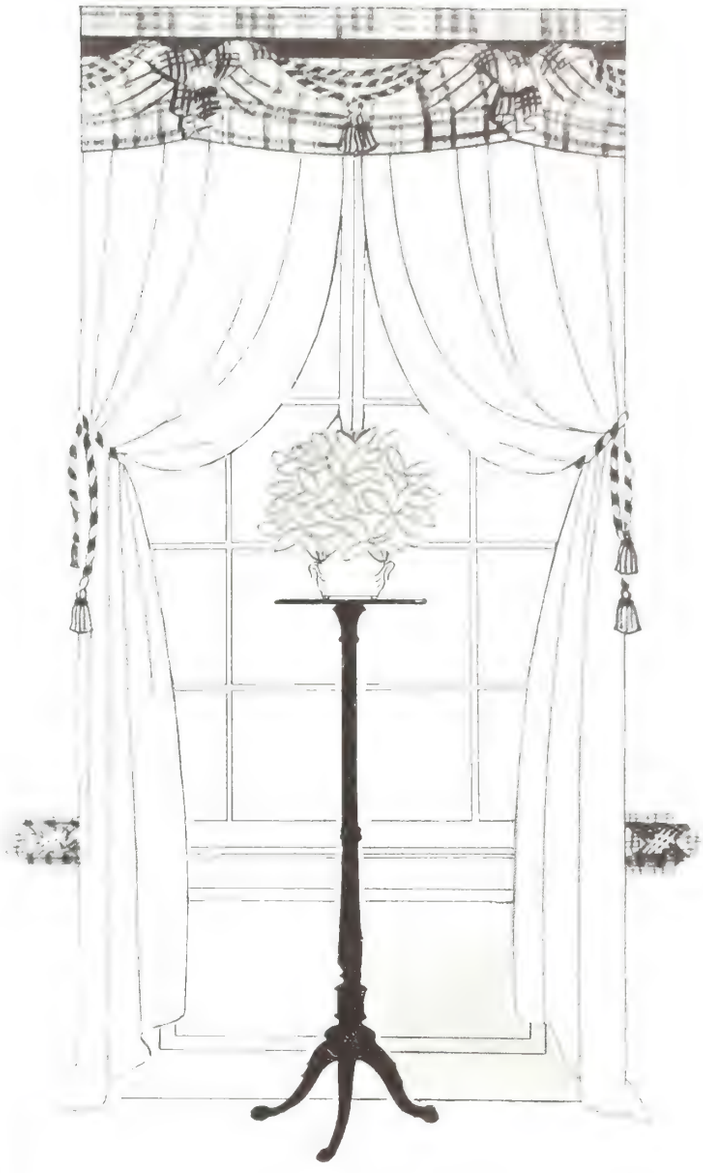
SMARTLY decorated shelving adds much to the effectiveness of any closet. Here is a simple edging painted in a swag design on [illegible] by Miss Sidney Good. The edging is shown both as a detail and in use. The material has a satin finish and comes in a variety of colors. Any desired pattern may be painted. Thedlow, Inc.



BUILT-IN cabinets on each side of the washbasin hold the necessary cups and towels for a lady on one side and accessories for a man on the other. Scheme designed by George Sakier for the Standard Sanitary Co.



ANOTHER clever new invention is this lamp shade that is plain mirror in the day and reveals a decorative colored design when lighted. You may have any desired pattern and color. Lamp and shade from Jessie Leach Rector

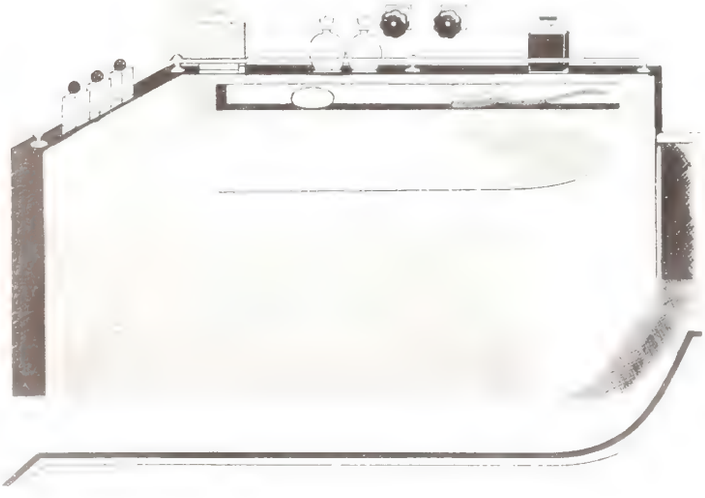


PLAID paper by the yard makes this delightful valance, and another plaid strip comes with it that can be used for a dado around the room. Colors are rose and green with touches of yellow and white and it is best used with white walls and curtains. Barrie & Desmond paper from Thedlow, Inc.



THE [illegible] design, by Mrs. [illegible] ney Good, comes in a variety of colors. In black and silver stripes with coral lines and ball fringe it is especially attractive. From Thedlow, Inc.

AN excellent bath tub arrangement is the bath bar, [illegible] for soap, bath salts and other accessories. Designed by George Sakier for the "Neo Classic" tub of the Standard Sanitary Co.

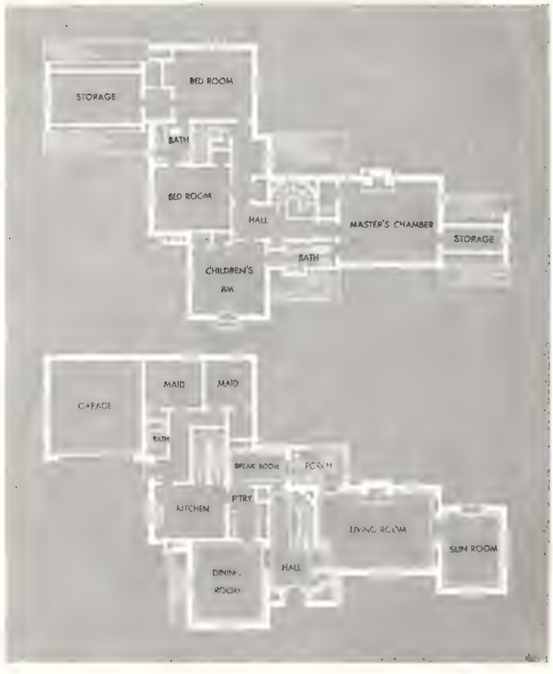




Tobin & Knedl, Inc.

Erle G. Stillwell, architect





Setting fits design in a North Carolina house

SLIGHT variation of mien between façades here presents an interesting study. While both front and rear are in the true French farmhouse manner, the former carries a slight touch of dignity which the latter abandons. The same is true of the landscaping

THE HOME of Mrs. F. W. Galbraith at Biltmore, N. C., is carried out in whitewashed brick with roof of oak shingles. At the top of the page the house is viewed from the road. The other picture shows the rear. C. D. Beadle, landscape architect

What's new in building and equipment

Various items that will save labor or help to modernize the home · By Gayne T. K. Norton

FIRE AND TERMITE PROOF BOARDS. Two insulating boards for special purposes are announced; one is highly fire-resistive and the other is termite proof.

The first was subjected to an unique fire test prior to being put on the market. A small building with exterior entirely composed of the board was ignited and given normal, then increasing draft. More combustive material was added. The board held the flames at bay for 20 minutes and even then combatted the fire, unbroken. A special cement made of fire-resistive composition is provided for use in sealing joints between the board.

This board is one-half inch thick. Merely by a simple preliminary sizing, any desired lacquer, oil, enamel or plastic finish effect may be achieved.

The termite-proof board is composed of material which resists the advance of those destructive insects sometimes erroneously referred to as white ants. A moisture proofing process lends rigidity and structural strength. It comes in half-inch and one-inch thicknesses.

Both boards, made by the Insulite Company, are available in units four feet wide by six to twelve feet long. They may be used wherever a wallboard possessing insulating properties can be used.

LINOLEUM FOR WALLS. A new linoleum that has been perfected for use on side walls is particularly suggested for bathrooms and kitchens, due to the ease with which it may be cleaned. Thus far, marble designs form the basic theme of the patterns offered, the color interpretations in veined black, jade green, golden onyx and rose giving the necessary elements for several color schemes.

A kitchen color scheme, one of many that employ this material as recommended by the maker, Congoleum-Nairn, Incorporated, presents walls of the golden onyx pattern, a floor of linoleum in large-sized blocks of apple green, jade and rose-tan, set off with a black marbleized border and red border strips.

Good planning for proper installation of the wall finish linoleum includes directions for applying it to walls which have been decorated in various ways, and includes the use of a wooden cove stick to give a smooth foundation at the angle where walls meet floor. Cleaning is simplified by this rounded base. When a wainscot effect is desired, a cap of the linoleum about one and a half inches wide may be used. This wall covering may be applied over cracked plaster without elaborate and costly preparatory work. Old paint or paper should be removed and the plaster brought to a smooth surface. The linoleum may also be applied to wood, plaster board or any other smooth, dry base. A particular paste is specified for its application. It is inexpensive and said to reduce bathroom noises due to its absorption qualities.

AIR-TIGHT WINDOW FRAMES. A higher degree of insulation is the natural consequence of a window so constructed that drafts are absolutely excluded. Such a frame in standard construction sizes is made of Douglas fir heartwood with pulley stiles and sill of vertical grain. This wood is kiln-dried before the frames are manufactured.

Wedge-shaped tongues and grooves interlock joints in the frame. Overhead pulleys prevent sash-cord troubles and make operation easy; a metal ferrule holds the cord in the sash, dispensing with old-fashioned, bothersome knots. Meeting rails which lock combine with weatherstrips on four sides to seal the window. Strips are of vertical grain fir impregnated with paraffin to make them impervious to moisture and furnish proper lubrication for the sash.

At the sill, a weatherproof joint is made with the side casing by careful machining. This makes the use of storm sash practicable where desired. The pitch of the sill assures free drainage. Made by Long Bell Lumber Sales Corporation, cost is said to be no greater than that of the ordinary window plus weatherstrips.

MONOLITHIC BRICK WALLS. Brick veneer walls at low cost may now be built by a method known as a reinforced superwall construction which utilizes wire reinforcing mesh with integral fibrous backing as an important element. This system gives reinforced brick construction for outside walls and reinforced plaster construction for inside walls. The finished wall is claimed to be damp and vermin proof as well as fire-resistant.

In this wall wood studding is erected in the usual manner. On the outside, an electric welded, two inch by two inch wire mesh reinforcement with a heavy paper backing is nailed to the studs. Bricks are laid with a one inch space between them and the reinforcement; this space is filled with mortar which becomes automatically reinforced by the wire mesh.

The water resistant backing of the mesh prevents the infiltration of air and moisture. This monolithic steel reinforced wall is the same in thickness as the usual brick veneer wall. We are assured this building method has successfully withstood laboratory trials and actual tests during hurricane and earthquake.

After outside walls are finished, a mineral wool, loose-fill insulation is pressed between the studs behind the lath; this material is vermin-proof and acts as a fire-stop. Lathing is done with a wire mesh that is paper backed. In the finished wall no lath, joint or stud marks are visible; structural strength is gained and the tendency to crack is reduced.

When this method of wall construction, as developed by the National Steel Fabric Company, is followed the entire house is wrapped with insulation and encased by a network of steel wires. Cost comparisons are favorable with the ordinary methods of brick veneer and the addition of loose fill insulation.

RUST FREE FENCE. A fence which preserves its silvery appearance through years of exposure has recently been made available by the Page Steel and Wire Company. Made of aluminum, it is light in weight and remains rustless even when constantly exposed to salt air. The fabric of the fence is of a flatly woven wire which does not obstruct sunshine or air. The flat mesh forms perfect squares. The use of top rails is optional.

Tubular or H-beam posts are procurable. Either style can be furnished with special arm for electric light fixture. This chain-like fence comes in heights of from three to 12 feet, and in several gauges of wire. Extra protection may be gained by use of slightly inclined arms at the tops of posts carrying several strands of barbed wire. (Continued on page 70)

The beauty of fine details stressed on a residence in the best Colonial tradition







As may be noted from the entrance doorway, above, detail used on this house is simple yet has marked dignity and is superb in execution. A portico carries across the front. Another view of this façade is shown in the small photograph on the opposite page. The residence is "Hedges" at Red Bank, N. J.

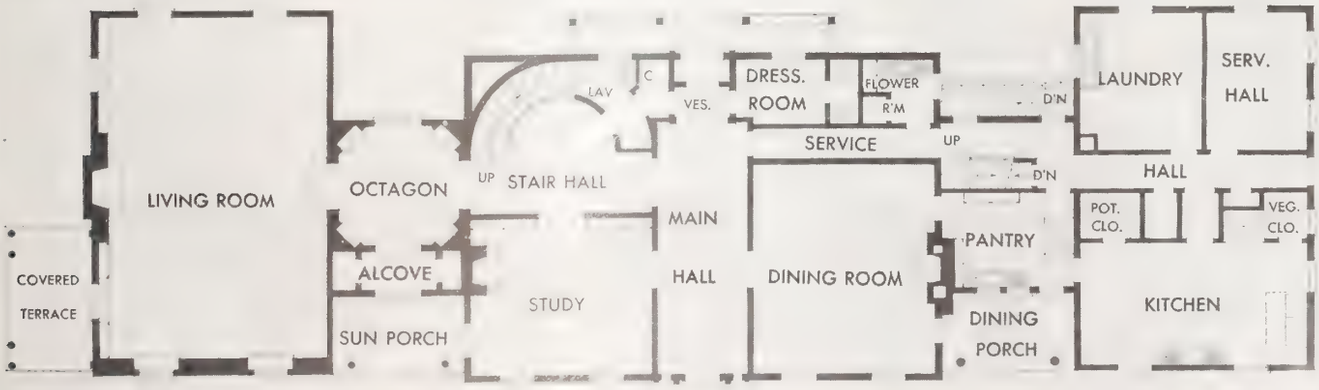




Robert M. Carrère, architect

THE exterior consists entirely of ship-lap painted white. This boarding gives a smooth almost unbroken surface that lends itself well to the character of the house. Above is a general view of the rear. Across a broad lawn and a strip of woodland this face overlooks the Shrewsbury River

THE house is made up of a main body with two wings connected by narrow necks, or links. These links afford opportunities for loggias or verandas without disturbing lines of the house. The living room occupies the ground floor of the left wing; service rooms are in the right







Coming events cast their shadows upon two homes that grow

JUST as our Colonial ancestors added to their houses when the family grew larger, so may we. Here we have a house of Colonial type to be originally built with six rooms, as shown by the small plans. Later the additions may be made as pictured by the outlines ghosted in, with floor layouts presented by the larger plans at the left

WITH these two "Houses That Grow", as with those presented previously, it was the aim of the designer to make necessary as little change as possible in the original structure when the additions are made, thus keeping down expense. In this design the introduction of a service stair is the only radical alteration in the original house



Designed especially for House & Garden by Leigh French, Jr.

THE always popular Georgian is the style inspiration of this two-stage house. In its first stage it is as charming a small house as one might wish, later becoming a larger place in just as favorable a category. The sketch shown above visualizes both of the installments, the first in detail and the second by easily understandable outline



BECAUSE of the little difference in the central portion between first and final versions, original plans are not shown. The pantry was originally the kitchen. Other "Houses That Grow" were in the June and November, 1931 numbers. Any person planning to build may obtain blue prints from House & Garden's Reader Service

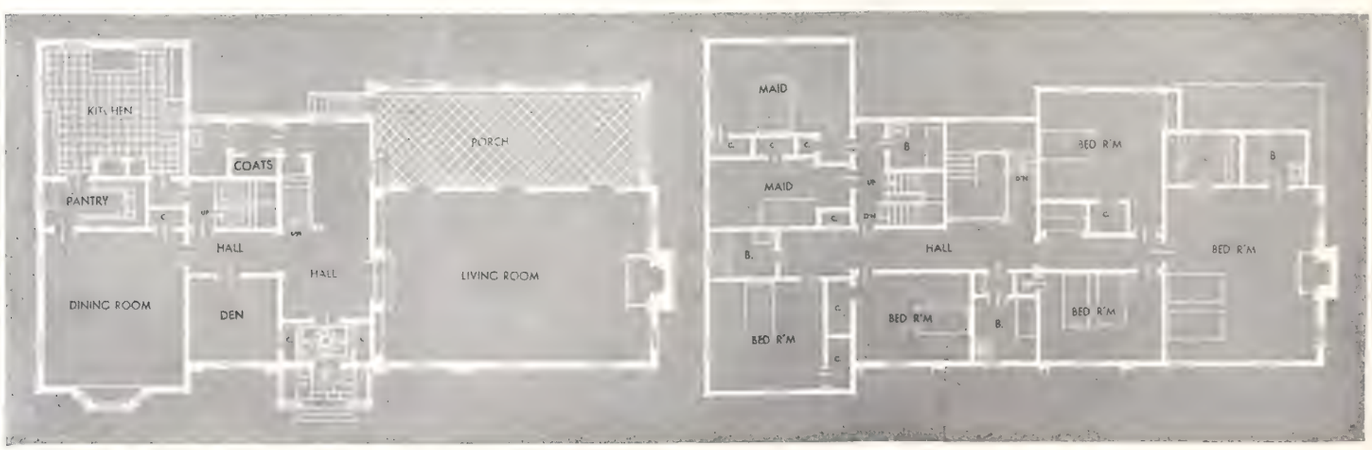


ARCHITECTURAL

Nantucket Colonial in New Jersey

Goodwillie & Moran, architects

IN DESIGNING this comfortable Colonial house first consideration was given to obtaining first floor rooms of generous size. Five bedrooms and quarters for three servants are provided above. The rear slope of the plot allowed a garage in the basement. This is the residence of John R. Westerfield at Essex Fells



A garden gadabout goes to Britain

Being another installment of Herbert Durand's account of his experiences in English gardens

DURING the past five years, in addition to my hundreds of species of plants I have gradually introduced into my rock garden kinds from other lands whose habit and coloring qualified them to dwell in peace and harmony among my wildflowers. Finding them entirely fit and happy there, I ventured beyond the meager assortment of rock plants offered by American dealers and sent to England and Switzerland for seeds of many species that the experts over there described as particularly fine and of easy culture. A few of these have failed to meet my fond expectations, but scores of the loveliest ones have flourished. Some of the most brilliant effects I saw in the Royal Botanic Garden at Edinburgh were due to the very flowers that I had the gumption to send for. Here is a bevy of beauties whose grace and charm and lusty vigor are delightfully displayed in both gardens during late May and early June: *Anemone blanda, Arenaria montana,* Armeria hybrid—Bee's Ruby, *Aster alpinus*—Fire King, *Androsace lanuginosa* and *A. sarmentosa chumbyi, Aubretia deltoides* in variety, *Dianthus avernesis, D. deltoides,* var. Brilliant, *D. callizonus, D. alpinus, D. neglectus, Geranium lancastriense, G. prostatum,* Helianthemums in variety, Lithospermum—Heavenly Blue, *Primula auricula*—several alpine varieties, *P. capitata, P. farinosa, P. integrifolia, P. involucrata* (tall), *P. juliae, P. minima, P. vulgaris*—the Munsted Strain, *Saxifraga aizoon, S. atropurpurea, S. muscoides,* var. Guildford Seedling, *S. umbrosa* (London Pride)—Elliot's Variety, *Sedum dasyphyllum, S. pilosum, S. pulchellum, Silene elizabetha, Thymus serpyllum comosum, Veronica saxatilis*—var. True Blue, *Viola alcarinensis, V. calcarata, V. cornuto* in variety, especially Pink Pearl.

Among the hosts of American wildflowers that, in this Royal Garden at any rate, are conspicuous by their presence, I recognized either by foliage or flower over 200 separate and distinct species. All the early spring flowers of our eastern woods were there, though of course their blooms had faded. You can imagine my pleasure at seeing amongst them many contented clumps of Trailing Arbutus, Oconee Bells or Shortia, the Showy Orchis, both Pink and Yellow Ladyslippers, Rock Pinks and many other prime favorites of mine. And I could hardly believe my eyes when I encountered a thriving mat of Pyxie Moss in a sunshiny, sandy spot, looking as happy as if it were in its native New Jersey pine barrens, for my repeated efforts at making this extremely finicky little gem happy in captivity had invariably failed.

Plenty of Irises, Mariposa Lilies, Brodiaeas and other charming denizens of the Pacific Coast were busy opening seed in congenial corners and any number of treasures from the high Rockies were just coming into bloom. Of these, and of course, the blue and white and the yellow Columbines were the prime attraction; they were the glory of the garden beyond question. Then there were oodles of Shooting Stars, six different species of them, Monkey Flowers showing every color of the rainbow, brilliant blue Pentstemons and azure Polemoniums, and scores of other radiant rarities. Among the shrubs used for background and emphasis were all our native Azaleas, and Calendulacea, the Flame Azalea, was still flaunting its glowing blossoms. Our Mountain Laurel was in evidence everywhere, making a stunning show, and the display of Rhododendrons, in the fulness of their bloom, was simply magnificent. The finest of them, as a matter of course, were those that were all-American or had been blessed with a preponderance of American blood.

On my last day in the Royal Garden, after an enchanting week, I was escorted to the Arboretum and shown one of the finest collections of unusual trees and shrubs in the world. I venture to say that in this rather limited area there is a greater number of rare and beautiful species from these United States than in any privately owned collection in this country; I doubt if any of our Botanical Gardens can equal it. And the crowning glory, not only of the Arboretum but of the entire garden, is the most superb Rhododendron I have ever seen or ever expect to see. "It is known far and wide," said Curator Harrow, "as 'Old Apple Blossom' and it has stood where you see it for over one hundred years. We give a sight of it," he (*Continued on page 82*)



R. M. Adam

THE Royal Botanic Garden at Edinburgh includes a magnificent rock plant section, accessible by an intricate maze of winding byways. Here American wildflowers are evident in great numbers and variety, indeed, than are to be found in the similar gardens of

Modern screens varied in mood and materials

THE screen at the right, for Neo-Classic or contemporary setting, features a modern rendering of classic motifs in cream and gray-white on brown. Henry J. McMillen, artist. Elsie Cobb Wilson, decorator

A WHITE rope terminating in large tassels is the simple and effective decoration on the screen below, finished in brilliant black lacquer. The Sheraton bench is white and gold. Empire Exchange, decorators

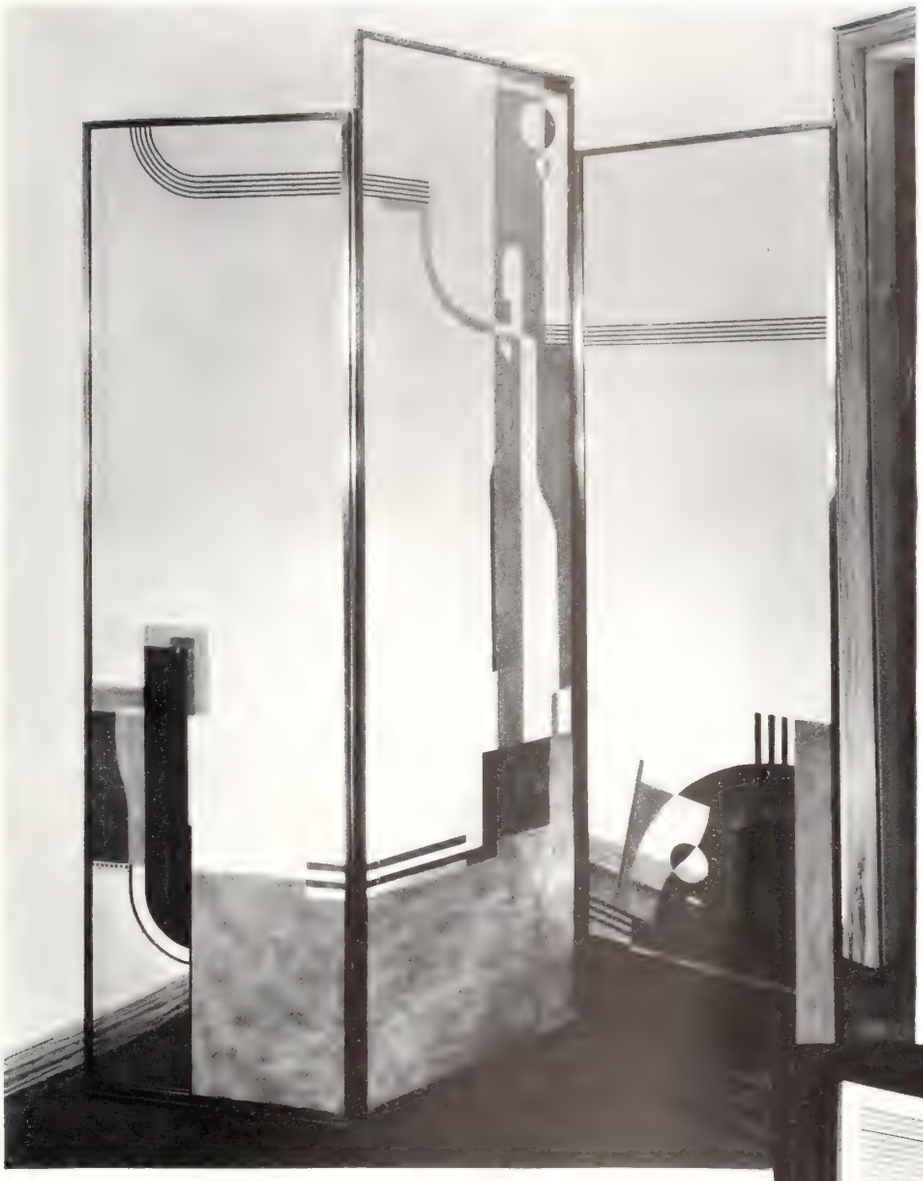
BUBBLES spouted by diaphanous gilt and silver fish float up to border the top of a shimmering black lacquer screen executed by Jean Dunand. Misty sea flowers grow at the base. From Les Arts Modernes





George W. Harting







THIS modern screen of felt is made of double sheets of glass with abstract painted design in blue, green and yellow. Monel metal frame. L'Art Ancien is a screen for a child's room, with Scandinavian peasant design in reds and violet blue on cream ground. Childhood fun



FLORA and fauna of the tropics are fantastically depicted on the screen above painted by Miguel Covarrubias, the well-known Mexican artist, and now in the collection of Mrs. John W. Garrett. The decoration is in three tones of green and yellow, red and black.

HIS simplicity and horizontal lines give a modern aspect to this shuttered screen. Painted white, it conforms to the demand for [illegible] color. With it is a black and gold [illegible] longue of the same period cov-



The Gardener's Calendar for January

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
"Mr. Chairman and gents all, this is the only meeting of the Six of Spades which I don't go to quite so cheerfully as a wasp to a ripe apricot. You see, I'm hardly much more of a scholar than the chap as only went to school one Tuesday, and master was absent a-measuring land; and when I've got to speak to them as has had good eddication, I feel about as	comfortable as a tomtit a-cherupping to a lot of nightingales. Howsomever, I must take my part, and if you'll excuse mistakes and plain speaking, I think you'll find me there or thereabouts in facts." *From the address of Mr. Evans, professional gardener, before the Six of Spades flower club in Dean Hole's "A Book About the Garden."*				**1.** If you are one of those people who believe in New Year's resolutions, try adding something to the task of keeping a real garden notebook in which are recorded definite plant experiences, results, conclusions and other matters useful as guides for the future and of interest at all times.	**2.** Even at this time of year it is often possible to find nooks and corners of the grounds where drifted leaves have kept out the frost and so made shrub and tree planting possible. Do not, however, set any evergreens in these places at this time; evergreens need spring or fall planting.
3. It is a mistake to try and winter plants of any kind in clay pots outdoors. The action of the frost will either crack the pots or heave the soil and roots up and out of the containers. The best plan is to turn them out of the pots in the autumn and set in the open ground.	**4.** House plants ought to be watered with a pump-ling can in the morning, so that any drops which gather on the stems and foliage will have a chance to dry before night comes. Once a week the leaves of Dracaenas and other large-foliaged plants should be sponged.	**5.** Holly can be grown from seeds gathered from the Christmas decorations, but germination is very slow a year or more. Plant 1" deep in pots, put in cellar and keep them watered. As soon as growth appears above ground the pots should be set out in the light and air.	**6.** On warmish, sunny days, even in mid-winter, it is an advantageous idea to raise the sash of the coldframes in which hardy plants are quartered and give them some breaths of fresh air. This will also help to keep down the temperature in the frames to a reasonable point.	**7.** If you have a live Christmas tree in tub or pot do not keep it indefinitely in a dry, heated room. Better set it outdoors to await the advent of spring planting weather. Or, if there is no frost in the ground, better plunge the pot in the soil at once and transplant in spring.	**8.** Almost every kind of specialized gardening, besides the more general subjects dealing with the principles of cultivation, etc., has had one or more good books written about it. There is no better time than this for profitably reading the volumes that bear on your hobby.	**9.** The Helianthemums, better known as Sun Roses, are splendid dwarf shrubs for the rock garden. They flower freely and can be grown without difficulty from seed. Those which are not fully hardy can generally be carried through the winter with a leaf mulch.
10. Carolus Linnaeus died, 1778. Pot plants in the house need all the sunlight you can give them. It helps respiration, heightens color and act as an all-around tonic and builder of heat and stem tissue. A reasonable degree of moisture in the air, too, is vital to full success.	**11.** Sometimes it is possible to secure cheaply from your florist, after the forcing season, a few hundred Colchicum bulbs. Keep these cool and dark until spring and then plant them outdoors. They flower naturally in the autumn and generally prove hardy in suitable garden locations.	**12.** Coal gas is a serious house plant danger. It must be completely excluded from the indoor garden or flower sickness is very likely to follow. Unburned illuminating gas is another thing to which plants react unfavorably, even when exposed to it for only a short time.	**13.** Ice storms and frozen snow crusts make hard sledding for the winter birds. While these conditions last the food that you put out will be doubly appreciated. One of the best types of feeding station is the weathercock kind, which always faces the wind and remains free of snow.	**14.** Don't forget to go the rounds of the evergreens after every clinging snow storm and free the branches that have been overburdened by the accumulation of damp flakes. If they are badly bent or deeply buried, clear them carefully, or you may break them in getting them out.	**15.** The earliest of the celery crop is beginning to ripen and will soon be shipped to market. Eat and digest it carefully, but place your orders as soon as you decide about them. Early orders eliminate possible delay in shipping and not infrequently a special discount is offered for them.	**16.** Before you send in any orders for plants, seeds or stock, search out the new and improved varieties which the growers offer with full recommendation. Progress in plant quality goes on steadily and only a reactionary sort of person will fail to take advantage of its opportunities.
17. Peter Henderson, seedsman, died 1890. Grapevines can be pruned any time before the first of March. Watch for the first pleasant day and get this important work done carefully. Grapes bear only on new wood which springs from wood of the previous season's growth.	**18.** The leaves on indoor foliage plants need to be washed often enough to prevent the accumulation of dust and choking grime. Plan to cleanse them every week or so. This will also help to check insect pests such as red spider, aphis and some forms of scale which may be present.	**19.** Hemp, Millet, Buckwheat and Sunflower seeds are among the most welcome foods to put out for the winter birds. A dozen or more species will eat them eagerly. Lumps of suet fastened in the tree crotches or to the trunks are also good drawing cards for several species.	**20.** The action of frost and winter exposure is highly beneficial to raw ground that has been plowed or spaded in the fall. It breaks up clods and makes for beneficial bacterial action. The more alternate freezing and thawing there is, the better for the soil in the spring.	**21.** Grant M. Thorburn, seedsman, died 1863. Over-watering sometimes induces a soil sourness which is distinctly unfavorable to the success of house plants. The earth in the pots should never become waterlogged. Sandy loam, with free bottom drainage, helps to prevent this.	**22.** Spring-flowering shrubs sought not to receive any fall or winter pruning except for the removal of old, dead, diseased or broken wood. Otherwise you will sacrifice blossoms the following season. The majority of these shrubs look best when allowed to keep their natural form.	**23.** A nicotine spray is the surest remedy for the aphids which sometimes appear in numbers on the plants of the indoor garden. It kills these pests by burning and suffocating. Aphids, of course, have exceedingly tender bodies which are easily injured by contact with this spray.
24. Scrubby apple trees are just as eagerly welcomed as winter rations by the wild rabbits as are the sound, well-formed ones. A supply thrown in a far corner of the grounds may keep the cottontails from gnawing the bark of fruit trees and shrubs when their food begins to run short.	**25.** At this time of year, when the stock is dormant and the buds are well protected by their outer coverings, strong sprays can be applied to kill scale insects on fruit trees, Lilacs and other woody growths. A preparation of lime-sulphur is generally used for this purpose.	**26.** If you have any large plants that are growing in relatively small pots make sure that they do not become potbound. Repotting into larger containers is advisable as soon as the roots begin to crowd the outside of the earth ball next to the pot walls, or come through the hole in the bottom.	**27.** Flats for early seed sowing had better be made well ahead of time. Let them be about 18" square and perhaps 3" deep, with plenty of drainage holes in the bottoms. Soil ingredients — leaf-mold and sharp sand — should be obtained. The former can be bought in bags.	**28.** If you plan to use wooden labels in the soil of the garden this spring it is a good idea to buy them now and paint or dip in creosote to protect them against the elements. For garden use, let them be 8" or 10" long; for pots and flats, the 4" size will be sufficiently large.	**29.** Protective coverings of all sorts on the Boxwood, Roses or other plants which are subject to winter killing ought to be inspected to make sure they are doing their work. If any adjustment is indicated take care of it immediately, as this month and next are critical times.	**30.** Ashes from the fireplaces are splendid fertilizing material for the lawn. Store them under cover until it is time to apply them in the early spring. The best are those from Maple, Oak and Hickory logs, but all kinds are valuable.
31. A list of needed garden tools and supplies is a good thing to make out now and forward with a check to your supply house. Then they'll be ready for use when needed. It is poor economy, from the standpoint of effort and results, to try to garden with poor or ill-conditioned	● New Moon, 7th day, 6 h. 29 m., evening, W.	☽ First Quarter, 15th day, 3 h. 55 m., evening, E.	○ Full Moon, 23rd day, 8 h. 44 m., morning, W.	☾ Last Quarter, 30th day, 4 h. 32 m., morning, E.	First Week: Clear, cold high northwest winds.	Second Week: Wind veering to east, warmer.	Third Week: Clear and much colder, after sleet storm.	Fourth Week: Snow, powder-dry and drifting badly.

Old Doc Lemmon finds a place in his heart for bluejays

"Ye-e-m-say all ye've a mind to ag'in the bluejay, but I'm tellin' ye I like him! He may be a thievin' varmint, robbin' other birds' nests an' the like o' thet, but I don't hold it ag'in him much. Whut I mean is, there's so many good things about him thet ye don't mind the bad ones.

"For one thing, the bluejay hes *sperit*. Come storm or sun, heat or cold, he's allus up an' about, lively as a May mornin'. His voice is as gay an' cock-sure as his color, an' I allus feel he gits more out'n life than any other bird we hev.

"Winter's the time when I like the jays best. There ain't nothin' quite like the sight o' their bright color ag'in the dark hemlocks, then; whut a clean, healthy blue it is, an' how the leetle patches o' white set it off! An' in all the years I've lived up here in the back-country I ain't never heard no bird call thet hed the ring, the devilment, the plumb downright zip o' the jays in January as they go flippin' an' balancin' an' flirtin' their tails from tree to tree."



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ın	Mutton
f	Ox Tail
ıillon	Pea
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Spring blooms eternal in the modern hom

(CONTINUED FROM PAGE 54)

fier and may be used to replace a radiator in the hall of a two-story house. Both types may be put in cabinets designed by this company, recessed in a wall, or installed in the basement.

Recently this organization put on the market a small portable electric humidifier which evaporates a pint of water every hour, and has a capacity for nine to ten hours' steady running.

Two types are available from the workshop of American Radiator Co. The first model may be used in connection with any steam, vapor or vapor vacuum radiator installation. It is composed of individual sections similar to a radiator, and when steam is admitted to the humidifier, the water flowing from section to section absorbs the steam and evaporation takes place. If properly installed, one of these humidifiers will furnish adequate humidity for a nine-room house.

FOR INDIVIDUAL ROOMS

American Radiator also produces a model for individual rooms. This type is not dependent upon a heating system, but may be attached to an electric outlet. The miniature humidifier is safe and dependable, for it is equipped with a cutoff which shuts off current when the water is evaporated.

Two portable types of motorized models are made by A. C. Gilbert, one especially designed for alternating current, and the other to be installed in houses carrying either alternating or direct current. This new inexpensive small electrical air conditioning system revitalizes the air by throwing in it the proper degree of moisture. All that is necessary is to plug in on any electrical outlet, fill the container with water and turn on the switch. In small homes, one humidifier of this type is sufficient, while for larger ones two are recommended.

Air Conditioning Systems, Inc. produces an extensive line of automatic humidifiers designed to replace the ordinary radiator; to be recessed in the wall; for closet installation; to be concealed or suspended on the wall; and for basement installation. The newest development makes possible installation in any of the locations mentioned above. The type of humidifying system this company produces guarantees constant circulation of air current, correct humidity and continuous air purification. This model is designed to connect with steam or vapor system, two-pipe steam system, one-pipe steam system, hot water or electric heating system. Regulation of average temperature of water flowing through this system is accomplished by adjustment of a valve between the heater and the boiler. The system will humidify a space 40,000 cubic feet, or that of a ten-room house. Another model is designed for apartments and small homes where there is less than 8000 cubic feet of space, while the other models this company makes will take care of 10,000 to 12,000 cubic feet.

A heating, ventilating and air-conditioning system located in the basement, which consist of an air warmer, a blower designed to force warmed air into every nook and corner of the house, and an automatic humidifier which supplies the correct amount of moisture for the entire house is pr duced by June-Aire Heating Syste No radiators are used, the warm a outlets being set in the baseboard an finished to match the woodwork. Th system is designed to burn coal, gas oil. If one is not interested in installi the complete system, the humidifi can be installed in a warm air furnac

The "Heatmaster" of the Surfa Combustion Corp. is a heating syste operated by gas that revitalizes the a mosphere in the whole house throug automatic control. Experiments are b ing conducted by the American Socie of Heating and Ventilating Enginee on supplying humidity for the hon during the cold months, and in the no too-distant future, more heating sy tems of this type will be available.

Tuttle and Bailey Mfg. Co. an Hart and Hutchinson Co. have bo produced radiator enclosures approv by decorators that supply moist, r freshing air and at the same time pr tect draperies and walls from radiat dirt. These are designed to permit t heat to pass freely from the radiato carrying moisture from conceale humidifiers into the room.

The Wilcolator Co. has available humidifier model (the Aquilator), th is recessed into the wall and connecte to the city water system. It is turne on or off simply by a valve and the are no moving parts or motors. Th water flows into the humidifier, is tho oughly filtered and is discharg through two pipes running downwa which cause a suction, drawing t air in from the top through the upp grille, washing it and saturating it wi water vapor, then returning it to t room through the lower grille. One these under average conditions wi evaporate from twelve to fifteen gallo of water every twenty-four hours in six or seven room house.

Another model which operates the same way, can be equipped with fan which approximately doubles i humidifying capacity. A special cabin has been designed for the enclosure this motorized model.

PORTABLE TYPES

This company has just placed on t market a new type humidifier, desig ed for both alternating and direct cu rent, and plugged into any lamp socke It is about the size of a small radi cabinet and resembles it in shape. stands 44 inches from the floor, is port able and an especially convenient fea ture is a reservoir pan which may b removed from the cabinet and fill from any house faucet. One humidifi of this type is sufficiently large for a average apartment or a small hous

Four portable electric humidifier very simple in operation, are manu factured by the Airite Corp. for in dividual rooms. The vase, urn and fer basket containers are made of heav gauge copper and each model is com plete with evaporation control, cor and attachment plug. The reservoir a the bottom of these humidifiers is fill with clean water, the switch turned o and the miniature motor started. Th operation of the motor causes the wat to circulate, and by means of a fa underneath the motor, a mist is se

(*Continued on page 74*)



Controlled test on 102 people shows

1/2 AS MANY COLDS FOR LISTERINE USERS

Gargle twice daily . . . keep well . . . stay on the job

't be one of those thousands who every year r colds needlessly. Who pay the penalty in omfort, lost health, and lost wages due to nce from work.

et plenty of rest. Don't overeat. Avoid severe sure. And gargle with full strength Listerine ning and night *every day*. Because controlled s on 102 persons now show Listerine's amaz- ability to prevent colds and to reduce their rity, once contracted.

½ as many colds

le not infallible, full strength Listerine we be- , if used systematically through the winter ths as directed above, will result in immea- bly better health. Let the tests speak for nselves:

Of 102 persons observed for a period of seventy-five days, one-third, known as "controls," did not gargle with Listerine at all; one-third gargled twice a day; the other third five times a day, the full strength solution.

Now, note these amazing results:

Those who did not gargle, contracted twice as many colds as those who gargled Listerine twice a day. The colds were four times as severe and lasted three times as long.

Three times as many colds

Those who did not gargle Listerine had three times as many colds as those who gargled five times a day. The colds were four times as severe and lasted four times as long.

The secret, germicidal action with safety

Such results are due to Listerine's amazing germicidal action. Used full strength it kills germs in the fastest time accurately recorded by science. So it reduces mouth bacteria 98% or more, and maintains substantial reduction for hours.

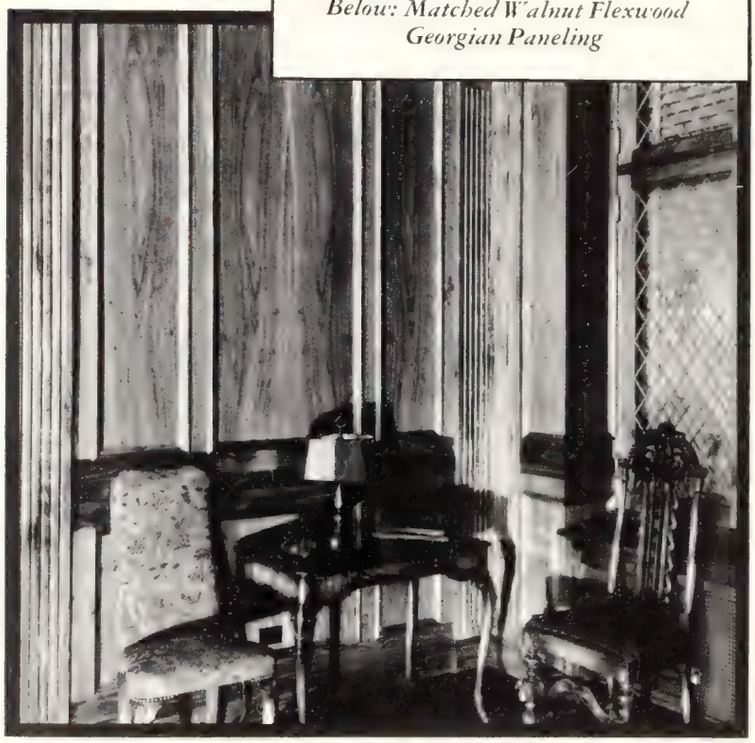
Equally responsible for Listerine's effectiveness is its absolute safety; its freedom from irritating properties. Contrast Listerine's soothing and healing effect on tissue to that of harsh mouthwashes which actually irritate it, thus allowing germs easy entrance. Always ask for Listerine. It's safe. Lambert Pharmacal Company, St. Louis, Mo.

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Spring blooms eternal in the modern home

(CONTINUED FROM PAGE 72)

out into the atmosphere where it absorbs sufficient heat to vaporize it. This company also makes a humidifying element that can be installed in a large vase or other ornamental object.

To meet the growing demand for portable humidifying systems, the Manufacturers Machine Co. has developed two outstanding electric humidifiers of the fan type. The first model is in the form of an enameled grilled cabinet, 17 inches long, 10 inches high and 9 inches wide. The lower part serves as a container for the water. This type is designed to condition the air in one room. For the small house, a second model is available built along the same lines, 14 inches square and 45 inches high, with a water tank which has a capacity of 13 quarts. These machines do not require any installation, but may be plugged into any electric socket. The motors of both are sturdy and dependable. Studies show that the operation of the larger machine costs in the neighborhood of a half-cent an hour.

The Corozone Co. offers a distinct type of portable electric humidifier known as the Aquazone for single rooms. This resembles a lamp mounted on a base. The motor which has been installed vertically in the top operates noiselessly. A cone at the bottom of it raises the water to the top of the container by centrifugal force and sends it into a flat, horizontal spray. The suction draws the air into the top of the machine, forcing it through the spray of water. Cool washed air is discharged into the room through the opening provided for it at the side of the humidifier. The amount of current consumed is equivalent to that of a forty-watt electric bulb.

An air conditioning unit, 48 inches by 18 inches by 18 inches in size, that can be hung from a ceiling or placed in a closet and connected with the water supply is a development of the Utility Heater Co. Inside the top of this device an artificial rainfall is produced. By a powerful fan, air is drawn through the machine, and 200 square feet of room space is kept moist. This humidifier is so designed that the air is washed three to four times an hour. This unit will purify the air of a six-room house or apartment.

PAID CHANGE

Through years of experiment the Holland Furnace Co. has produced a heating, cooling and air conditioning system which supplies purified warm moistened air, completely changed in each room every few minutes. The humidifier is a unit in the heating system under automatic control and vaporizes from three to twenty-five gallons of water daily, according to the actual needs, without requiring any attention. This electric circulator may be installed in almost any type of warm air plant in good repair. The complete system, however, is designed individually for the home in which it is installed. Experienced engineers measure room space, estimate heat losses and requirements, and design a system with capacity to meet every demand during severe winter without overfiring.

Savo Air Moisteners are small, hand-filled humidifiers designed to be placed in room in houses containing warm air heating systems. One type may be placed under the floor and hooked on to the warm air register. The moistener is filled with water by placing a funnel through the register opening. For side wall registers another air moistener with corrugated sides, which may also be hooked into the register plate, has been developed. The corrugated container is filled with water, and as the hot air passes through the atmosphere, it is properly humidified.

CONCEALED UNIT

To meet the constant demand for hidden radiators, the Frank E. Woodward Co. offers a concealed heater and automatic humidifying unit. This unit is installed in first floor rooms and hangs between the floor joists. The air travels down one side of the single narrow grille in the floor, passes over the heated water and rises on the other side of the unit, heated and moistened. The warm side of the unit contains a copper heating element connected to the steam or vapor heating system like any other radiator. The size of this heating and humidifying apparatus is governed to a large extent by the amount of heating surface required by a given room. A very large home would require three or possibly four of these units to supply adequate humidity. The unit may be recessed or placed in a cabinet if desired.

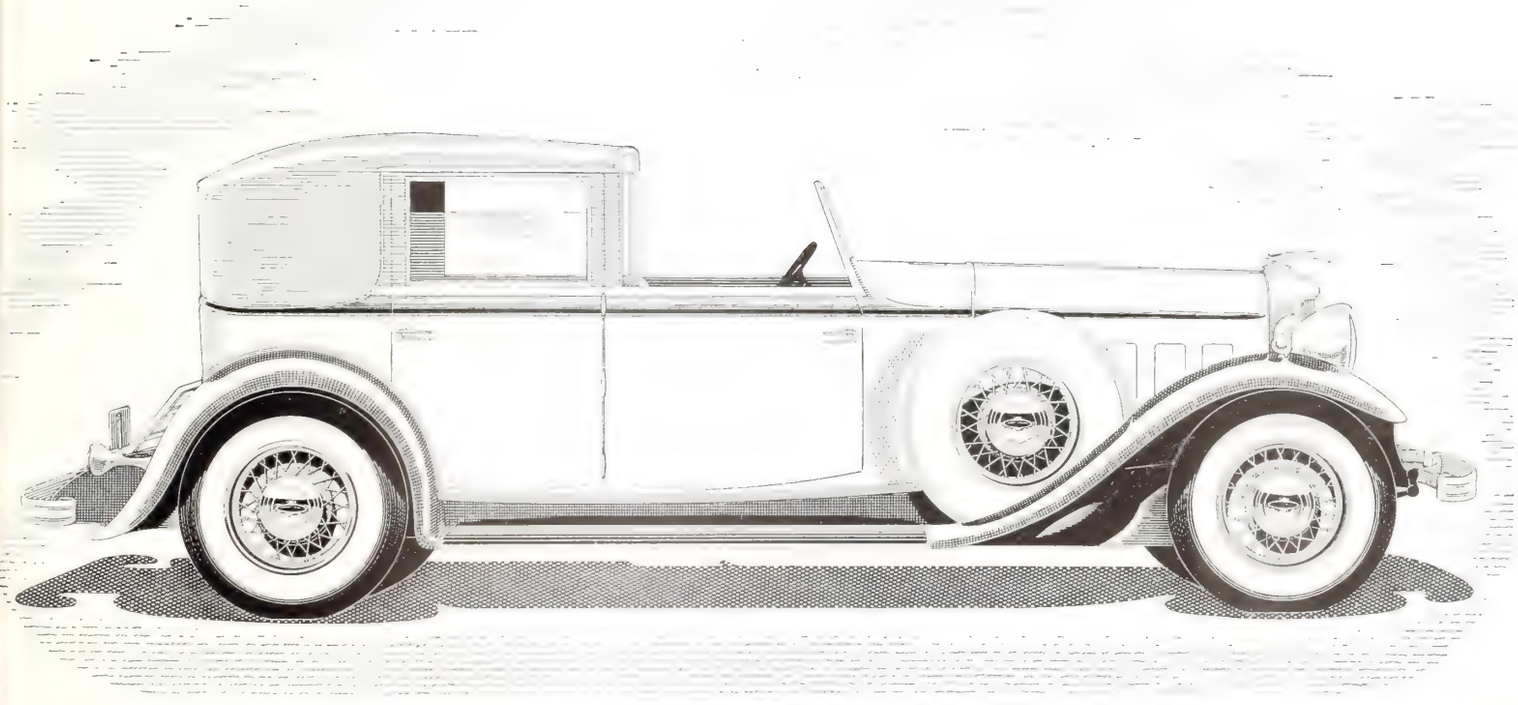
An indispensable accessory for use with a warm air furnace, which the company named above also makes, is a humidifying pan set in the top of the furnace to provide increased evaporation as additional heat is needed.

For the new or the old house, the Bon Air Radiator Corp. has produced concealed radiation with automatic humidification in three distinct types of humidifying radiators adapted to steam, hot water or vapor vacuum heating systems. Two of these types are hidden in the wall, while the third has been developed for homes where this feature is not possible, or desirable. In this case, the radiator extends five inches from the wall, but does not affect the placing of the furniture.

A removable brass reservoir which keeps a constant water level is installed in the inside top of the radiator. Cool air enters the lower section of the grille, and passes through an insulated recess constructed to control its direction. The stream of air is moistened by evaporation before it passes out through the upper opening in the grille. A rapid, constant and healthful circulation of air is thus maintained. The humidifying radiators of this manufacturer are coated with black behind the grilles so that they may be practically invisible, range in size from three to twelve feet long, and have the added advantage of saving a great deal of floor space.

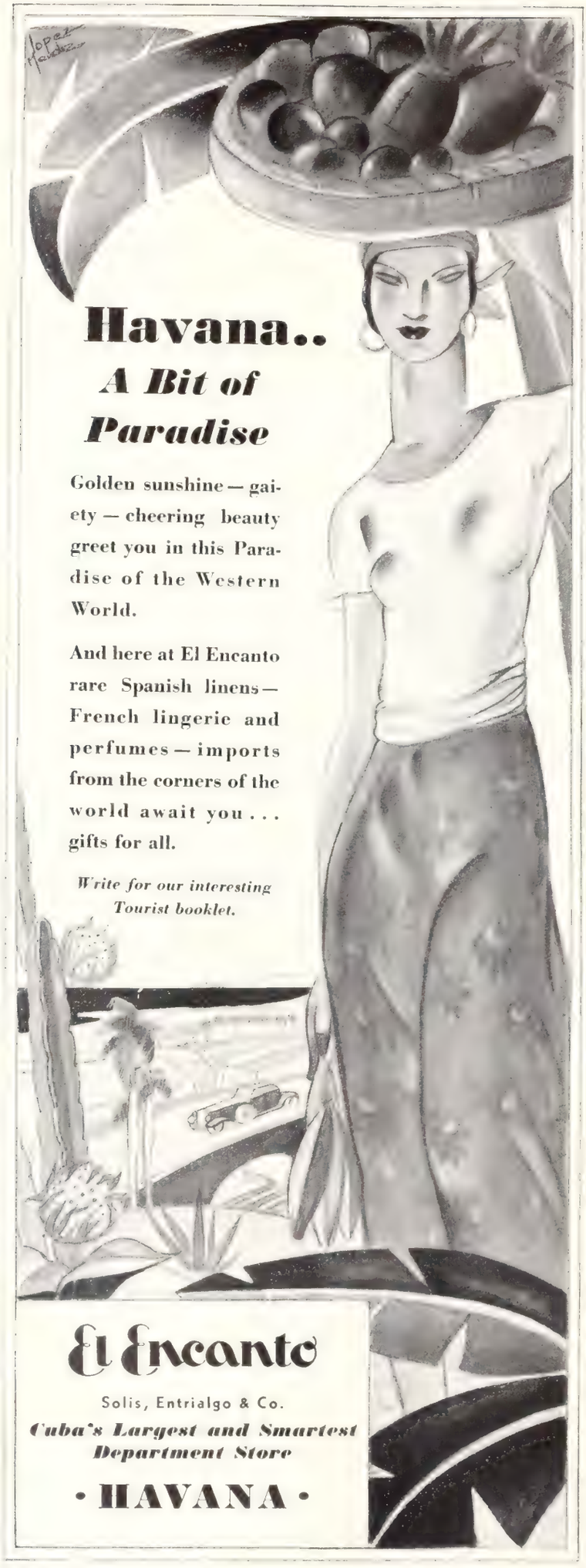
Before selecting a humidifier, one must make certain that it will completely condition the indoor air by providing constant air movement, continuous air purification and evaporation, and that the manufacturer will guarantee that the equipment purchased is sufficient to take care of the space for which it is intended.

THE LINCOLN 12



Lincoln has always aimed to make available to the public a motor car as nearly perfect as it is possible to produce. . In this age of mechanical progress a natural evolution of this policy is the Lincoln V-12. . Its background is the traditional Lincoln background . . expert engineering, painstaking testing, unhurried manufacture . . world-famous precision methods, and in every activity the support of the entire Ford organization. Prices of the Lincoln V-12 range from $4300 at Detroit

...ine of 12 cylinders cast in two blocks of ... and ... t a V angle of 65 degrees to give out... ...ke insure smooth operation. Three point su... ...on rubber. Brake horse-power, 1... Bore and stroke ... x 4½. Dual down-draft carburetor with special ... ake silencer and air cleaner. Ignition distributor mounted ...t rear end of engine. Exhaust pipe carried forward to ... ... from front compartment. Silent camshaft drive chain with automatic adjustment, requiring no attention. Soft-acting double-disc clutch. Free-wheeling unit controlled from dash operative in all ... equipped with a s... synchronizing unit to facilitate gear shifting. Helical second-speed gears insure quiet operation. Wheelbase, 145 inches. Tread, 60 inches. Brakes equipped with vacuum booster to augment foot pedal pressure. Thermostatically controlled radiator shutters and hood ventilators. Springs semi-elliptic—rear, 62 inches; front, 42. Welded steel-spoke, one-piece demountable wheels, diameter, 18 inches, with 7.50-inch tires. Steering, worm and roller. Twenty-three custom and standard bodies.



What's new in building and equipment

(CONTINUED FROM PAGE 61)

A QUIET CLOSET. Scientifically controlled water action induces quietness in the operation of a new closet. This advance in plumbing fixture design utilizes the principle of front stream action which insures complete control of the water so that it is delivered at the various openings in the bowl at just the right time and in correct quantities.

The stream of water is not divided between the jets and the rim as it enters the bowl, nor is it forced to travel a certain path through restricted openings and so cause the noisy turbulence that is objectionable. The design is also said to prevent the presence of air in the active parts of the closet, thus lessening the possibility of whistling. Large water area, deep seal and wide passageways are other features.

A flat top on the tank, with a depressed space measuring five and a half by 20 inches, is useful as a shelf, especially if the bathroom is rather small. The Kohler Company is the maker of this fixture.

NEW ELECTRIC OUTLETS. Three interesting electric outlets provide for outdoor lighting, for the radio, and for a switch-controlled lamp circuit.

The first is an outdoor flush receptacle, of a type that will simplify the lighting for Christmas trees or hedges, summertime reading on veranda or car washing near the garage. It saves the nuisance and danger of wiring from the inside when a light or an appliance is to be used on the outside.

It is sturdily designed to weather the action of rain, snow and dampness successfully; its finish is cadmium on brass. When not in use, a metal cap screws over the receptacle opening for protection; this cap is attached to the plate by a bit of chain so it cannot become lost. When connected, the standard attachment plug cap is covered with a separate metal cap which screws into the flush plate. A rubber mat fitting under the plate completes the weatherproofing.

The second outlet offers a new hookup for radio installations, with aerial, ground and power connections from a one-gang outlet. These connections are plainly marked on the receptacle. To further insure trouble-free operation, the aerial and ground plug have blades set at an angle which prevents insertion in the power slots of the receptacle.

Both aerial-ground and power outlets have finding grooves for plug prongs. A divider plate keeps aerial-ground and power circuits separated in the wall box, thus meeting the requirements of the National Electric Code. This fixture is made entirely in bakelite and fits all standard depth wall boxes. It gets rid of much objectionable surface wiring and provides firm, positive contacts for radio connections.

Convenience outlet number three, which, like the others, is made by the Arrow-Hart and Hegeman Electric Company, offers two circuits, a lamp circuit controlled by switch and another circuit which is always available for appliances or separate lamps. It gives a single control of all portable lamps in a room. The other circuit is always "on" independent of switch, for plugging-in various appliances. With the switch controlling one circuit in all outlets, all the portable lamps in the room go "on" and "off" at a touch. This saves the trouble of lighting one lamp at a time and turning them off one after the other. Where heavy loads are anticipated, separate fuses may be used for each circuit. Made of bakelite, this outlet is equipped with the handy finding grooves.

SELF-OPERATING GARAGE DOOR. A garage door recently placed on the market, of the overhead type, opens or closes itself while the driver of the car has nothing to do but watch the operation. Dependability and smoothness of operation have been demonstrated, we are told, in all kinds of weather.

Operation depends, upon entering or leaving the garage, solely upon the weight of the car. A lever principle, so called, is used in the door construction which does not require the use of electric motors, wheels or springs. Two slightly inclined platforms, one inside and one outside the garage, are connected by steel wire cables to the upper section of the door. When the weight of the car depresses the platform, these cables are drawn taut and release latches causing the door to rise.

The door closes when, but not until, the car has fully cleared the opening. Locking is automatic. All metal parts are of steel or iron. Freedom from upkeep is promised by the Automatic Door Corporation, the manufacturers. This door-operating equipment may be applied to existing garages. Installation is a very simple matter. Doors operate independently on multiple garages. Cost is reasonable.

BUILT-IN ELECTRIC CLOCK. Correct time integral with the house electric current is procurable by a built-in electric clock suitable for kitchen, hall and living room. Winding, regulating and oiling are entirely unnecessary, for once it has been started and set the clock never gains or loses.

This clock is set into the wall over an electric outlet provided for it; no wires are visible. Circular in shape, the full diameter of the case is seven and three quarter inches, while that of the dial is five and one quarter inches. Finishes are chromium, brushed silver and antique bronze, with the dial in all three types of brushed silver.

A new product just introduced by the Cincinnati Victor Company, this clock requires 110-120 volt, 60 cycle, alternating current.

HIS MILL HAD BETTER AIR THAN HIS HOME!

This textile executive wrote to Carrier, "Manufactured Weather is great for rayon. But why can't I have it for my wife and children?"

. . .

Carrier answered this plea with the Weathermaker, a complete new heating and air conditioning system to provide a wonderful new type of comfort for homes in winter.



A FACTORY more comfortable to live in than your own home? Ordinarily, no. But this rayon mill was an exception. It had the miracle of Manufactured Weather.

A Carrier System of Air Conditioning controlled the temperature, humidity, air circulation and air cleanliness in the mill just as it does today in theatres, office buildings, department stores, hotels, restaurants and industrial plants of nearly every kind. Manufactured Weather helped to produce rayon of the highest quality. It kept employees healthier, more comfortable and more efficient.

No wonder an executive of that mill asked, "Are my wife and children any less important than rayon or my employees? What can I do to have Manufactured Weather in my house?"

His answer—the Weathermaker

He sent his questions to Carrier, because there is but one Manufactured Weather—that produced by the air conditioning systems designed and installed by Willis H. Carrier and his associates. Many other executives and home owners asked the same questions. The answer was the Carrier Weathermaker for the home.

The Carrier Weathermaker has revolutionized home heating and home comfort. This complete heating and air conditioning system for homes in winter supplies and controls automatically the temperature and humidity most comfortable for members of your family. It cleans the air of dust and dirt, and circulates it uniformly, constantly, throughout every room. The Weathermaker burns gas with such great efficiency that its operating cost is surprisingly low. Remember, too, that gas itself has never cost so little for heating purposes as it does today.

If you are building, or planning to build, learn now about the Weathermaker. If you have a warm-air furnace in your home, you can replace it with this new system, probably using the old ducts. Let us send you a booklet describing the Weathermaker and the wonderful benefits of Manufactured Weather. Carrier-Lyle Corporation, 850 Frelinghuysen Avenue, Newark, N. J.

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Send me FREE booklet, "The Carrier Weathermaker"

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$1000.

AVERAGE COST

IN many instances stair-climbing is obviously impossible or highly inconvenient, but there are many more instances, especially in cases of heart trouble or old age, where the extra exertion (10 to 14 times greater than walking) is likely to prove serious if the climbing of stairs is continued.

Physicians are recommending this Elevator because they recognize its advantages, but it does not require the advice of a doctor to realize the value of such a great convenience.

The cost is now sufficiently moderate to bring this Elevator within the purchasing power of almost every reader. Prices range from $800. to $1400. completely installed, depending on size of car, distance of lift and other conditions governing installation. Also, there is a convenient deferred payment plan.

We shall be glad to acquaint you with full details of this Elevator, how readily it can be installed in almost any residence, how easily and smoothly it operates, how safe and rugged is its construction, and why it is so economical.

WRITE FOR ILLUSTRATED BOOKLET

SEDGWICK MACHINE WORKS, 146 West 15th St., New York, N. Y.

Factory at Poughkeepsie, N. Y. National Representation Established 1893

Around the world with modern glass

(CONTINUED FROM PAGE 51)

passed. His motifs were imbued with the taste of the day and filled with the spirit of invention and grace—roses and bouquets of flowers were his favorite themes. He came under the influence of Marinot and at one time went in for much bigger pieces without gaining by the evolution; in general his designs are harmonious and discreet and characterized by colors of fragile cast.

While Gallé was starting this important movement in France, Lobmeyr opened a factory in Vienna and attempted to raise the standard of Bohemian glass by perfecting methods of cutting and engraving. For some time, however, it followed closely the technique of Murano's light Venetian glass as far as shape and gossamer-like texture were concerned. It was not until the 20th Century that the modern trend was noticeable, when was started the deeply sunk decorative motifs that are still in vogue today.

Since 1898, when the Orrefors factory was established, Sweden has proved her right definitely to a prominent position in the glass world of today. This factory is concerned mainly with the production of household glass. The outline is slender and delicate and usually characterized by a topaz brown and amber color. Edvald Hald and Simon Gates are two artists who have contributed much to the prestige of this factory by their engraved and polished ornamental glass.

Probably the richest unfolding of modern glass comes from the huge factory of Leerdam, Holland. Here it is that De Lorm joined with A. D. Copier in creating the decorative glass known as Unica. This production includes a large variety of cut crystal, black glass plate and bowls with hollow cylindrical feet. These executions have favorably influenced the general taste in Holland and by reason of the technical proficiency in various branches have placed her at the summit of artistic production. "Optic", "Cracked" and "Iced" glass have all been introduced singly or in combination. The method of enamelling by applying color evenly upon this glass has been re-introduced after a lapse of many years. Since the Second Empire, when this technique was applied on Venetian or Oriental glass from designs found in Arab Mosques by Brocard, the idea has fallen into disuse. Now the monotony such as used on Arab molding has been stylized by such artisans as Chris Lebeau, A. D. Copier and Father Gregorius De Witt.

Anyone desiring exclusive and charming table appointments in glass can see from the pictures of crystal shown what varied effects may be obtained, outstanding examples from five countries being illustrated.

Saving space in little houses

(CONTINUED FROM PAGE 45)

presents an irresistible appeal. It sounds like a Colonial house and for most people that is what it would be. If carried through as outlined there might be money left to build a picket fence around it with an easy swinging gateway, planted with vines.

In working out details of the interior, the kitchen should be planned for economy of operation and a place made for everything. Whether the dining room is omitted or not, it is desirable that a small dining space be worked out there. A floor covering should be provided that one is certain will be easy to keep clean and that will wear well. It is almost as cheap to get the ready made dressers as to use the stock mill kind as furnished by the carpenter.

The bathroom floor and base may be of a linoleum tile or regular tile. A small bathroom is much more attractive with merely the tile base, rather than the usual tile wainscot and costs less.

In planning the electric lighting, the base plugs should be located for the efficient use of standing lamps, and wall fixtures should not be put up simply for effect. In plumbing and heating, one should always make use of well known standard makes of apparatus so that if trouble occurs there is the definite responsibility of the manufacturer to call upon.

The emphasis put upon simplicity in one's way of living cannot be too great if the utmost is to be secured for the small house. Thus the saving of dollars brings beauty of achievement and happiness to the owner, satisfaction to the architect and a sure feeling of pride to the builder.

The dollar saving house can be realized if one will consistently keep in mind the following essential features:

Rectangular form of house.
Low house.
Use of simple, ordinary materials.
Stock doors, sash, stairs and trim of standard make.
Ready made dressers and kitchen equipment.
Standard make of heating system.
Standard make of plumbing fixtures.
Ample base plugs, few wall fixtures.
Insulation, and more insulation.
A good country house architect.
A good builder—there is no such thing as a cheap builder.

Lustrous walls

(CONTINUED FROM PAGE 41)

composition, enhances the pleasing effect of good lines and makes the colors of all movable objects count at their full value.

The metallic background can be made by painting wall or ceiling surfaces with metallic paint, by applying metallic papers, like the silver and gold Japanese or Chinese papers which are either plain or with minute figures, or by using gold or silver leaf. The latter method, of course, is rather expensive and troublesome; the other methods are inexpensive. By whatever means the metallic background is produced, the constantly changing play of reflected lights and colors and the lustrous sheen of the surface will always ensure a satisfying vital quality and prevent monotony.



Here it is—the
NEW
"Book for Garden Lovers"

Send today for this glorious flower annual—Mailed for 5c in stamps—which may be deducted from first order.

The first sign of spring—Schling's great garden guide for 1932! Instead of the usual and most charming book of its kind, many specialties exclusively Schling's, lavishly illustrated with hundreds of photographs reproduced them in full color, and bound in an attractive cover also in colors. Truly a book for us to be proud of—and for you, a veritable treasure-house of garden lore!

3 Great Schling Novelties!



Tithonia Speciosa

Tithonia—the golden flower of the Incas—First seen by white men four centuries ago when Pizarro entered Peru. Rediscovered in Mexico in the 18th century only to be lost again, it is now our great pride to again introduce this magnificent, exotic, true flower of history and romance! Imagine a full foliaged shrub-like plant standing 8 to 10 feet tall and 3 feet wide with broad, deeply indented leaves like those of the grape or fig tree and covered with blossoms like single Dahlias of the most brilliant orange scarlet with tufted centers of gold intermingled with black. Splendid for a quick hedge or tall background. Easily grown from seed. Blooms in late Summer or early Autumn. Pkt. $1.00

Double, Sweet Scented Nasturtiums—Golden Gleam—Introducing for the first time a double-flowered Nasturtium of fine bright golden color on long stems coming true from seed. The plants form large bushes and when in full bloom the entire plant is a blaze of color. The pronounced fragrance is an added feature and the ease with which they can be grown will make them a favorite with every home gardener. Pkt. 35c

Snapdragon, Indian Summer—Latest and loveliest of Schling's famous giant American Snapdragons. Marvelous not only for size, though its flower spikes rival the gladiolus in height and vigor—but also for its color, a rich, velvety copper-red hitherto unknown in snapdragons and indescribably beautiful—no other snapdragon remotely approaches it—a "First Prize" winner wherever exhibited. Pkt. $1.00

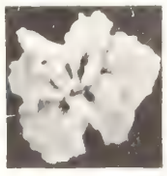
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MR. LEONARD SUTTON, in his new book, "Annuals," gives some rather timely advice on planting borders to assure a succession of bloom throughout the summer. The border illustrated (grown from Sutton's Seeds) shows how Annuals and Perennials may be combined to produce a continuous display of flowers.

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A [illegible]-page book mailed postpaid for 35 cents. A complete horticultural guide and catalogue, this book also describes the vegetables shown by us at the recent Atlantic City Pageant which were awarded the trophy for the best exhibit in the show, special gold medal and other prizes. This year we are making a very special offer. We feel sure you will want Mr. Sutton's new book, "Annuals." We will mail you a copy of "Annuals" together with the Sutton Guide and Catalogue for $1. Please send International Money Order.

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Every year this great Garden Guide is awaited with special interest by experienced gardeners for Burpee's Annual Garden Book is always a source of new and interesting information. Burpee has introduced in America more distinct new varieties of vegetables and flowers than are now in general cultivation than all three other seed houses combined. Burpee's Sweet Peas are the world's best. Burpee's Flower Novelties are famous everywhere and this year Burpee's Garden Book contains some of the finest novelties we have ever offered.

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THE GARDEN MART

BOOKS and PERIODICALS

THE GARDENER'S FRIEND: & OTHER PESTS by George S. Chappell and Ridgely Hunt. "All the latest garden dirt" Robert S. Lemmon, Managing Editor of House and Garden, calls this "the best gardening book I have ever read" and says in his review (see page 920 of the December issue) "This reviewer doubts his ability even to write coherently; there is too strong an urge toward hysterical laughter . . . But its authors have gone far beyond mere humor . . . Behind and through and round about all the penetrating spoofery they have woven a fine network of genuineness, of true garden spirit and philosophy, of sound, practical advice on plants and planting. And further let it be said—commanded rather 'Go right out and buy a copy—and do it now!' Indeed, better buy one to give to each of your real gardening friends, that you may be always and forever blessed among them. Hilariously illustrated by Hastings. $2.50 from your bookseller. F. A. Stokes Co., 443 4th Ave., N. Y.

IN PLANNING YOUR IDEAL GARDEN, you will do well to include, in your search for inspiration, a study of examples from China. "Mother of Garden." For this study, we recommend the new book, "Chinese Garden Architecture" with 50 beautiful photographs and colorful drawings, text by E. L. Howard. Beautifully printed and bound. $6.00 at dealers or direct from Macmillan Co., 62 Fifth Avenue, New York, N. Y.

FOR ALERT GARDENERS—Louise Beebe Wilder's new book, "Adventures in a Suburban Garden" contains a fund of helpful information on real dirt gardening. Original and practical throughout, with an endless array of delightful reading, as to plant combinations and the care to give over 500 new and old varieties of plants. $3.50 at dealers or direct from Macmillan, 62 5th Ave., New York.

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GARDEN DIGEST—the "garden magazine of all garden magazines"—because it digests valuable suggestions and articles of lasting value from scores of other magazines, books and bulletins. Garden Digest is your private secretary always watching for the best ideas on home-place improvement. Sample, 10 cent. One year's subscription, $1.00. Garden Digest 118-121 Great Oak Lane, Pleasantville, New York.

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"CHECK AND DOUBLE-CHECK" ON LAST YEAR'S GARDEN

will fill these long winter evenings in many a home. But don't forget that The Garden Mart an alphabetically arranged directory of specialties and garden merchandise—appears in every issue of House & Garden, for your convenience. Of course, if you don't see exactly what you seek for your garden, write us and we will help you to find it, without obligation: The Garden Mart of House & Garden, 1930 Graybar Building, Lexington at 43rd, New York.

Honeysuckles of branch and tendril

CONTINUED FROM PAGE 48

of *L. japonica* known as Hall's Honeysuckle. This is dense in habit and the leaves persist almost through the winter. It is a constant bloomer, the fragrant flowers opening white and changing to a soft corn-color as they age, and it is often possible to gather a sprig of them from a sheltered corner as late as Thanksgiving.

Another form of *L. japonica*, and one that is not as popular as it deserves to be, is the pretty Golden Honeysuckle, *L. j. aureo-reticulata*, the leaves of which are marbled with gold and whose young growths are often delicately tinted pink. It is a most cheerful drapery for a dull corner.

Our native Trumpet Honeysuckle, *L. sempervirens*, scentless alas, is found from Connecticut to Florida and Texas. It is a beautiful and conspicuous climber with its bunches of scarlet, orange lined tubes, showing so handsomely against the bluish foliage. *L. heckrotti*, said to be allied to it, is different in that the flowers are pinkish without and yellow within, and quite fragrant at night. It is a very hardy and attractive species. The southern Honeysuckle, *L. flava*, that grows wild in woody places from North Carolina to Oklahoma, bears bright orange colored, fragrant flowers in the early summer. It is rarely seen but is a delightful species, evergreen, and hardy as far north as New York City.

The great Chinese Woodbine, *L. tragophylla*, introduced by the late Dr. Wilson in 1900, is "distinguished among Honeysuckles by the size of its flowers which are borne in heads of ten to twenty blossoms of a uniform rich canary yellow." It is a handsome plant worthy of a place among the choicest climbers and is hardy as far north as New England. It lacks only fragrance to make it a really great acquisition.

FOR THE SOUTH

In southern gardens may be grown the lovely and exquisitely fragrant *L. etrusca*, sometimes called the Italian Woodbine. This is perhaps the most beautiful of its kind, flinging out bunches of bloom from the ends of the branches as well as from the axils of the leaves, the individual flowers being two inches long, at first yellowish suffused with red, but becoming clear yellow with age, and the foliage distinctly bluish in cast and downy on the undersides. *L. hildebrandiana*, too, is a grand species for the far South, Southern California or Florida. It is an evergreen from Upper Burma, a vigorous, tall-growing climber hanging out splendid clusters of very long, slender, tubular blossoms, purplish in the bud and opening to pale yellow.

Several European Honeysuckles have become naturalized in this country. Among them is *L. caprifolium*, the Goat Honeysuckle, with white or purplish tubular flowers, exceedingly fragrant, borne in whorls and in pairs in the early summer and followed by orange fruit. It is seldom seen in gardens and though a charming kind has not a long blossoming period to recommend it.

Among the desirable bush Honeysuckles we must pick and choose carefully since they are many and space is limited. Many of them may be said to give two performances, for besides their flowers the majority of them also offer bright and conspicuous fruits. To begin with the earliest to flower, we have *L. standishi* and *L. fragrantissima*. If I were restricted to an allowance of a half-dozen shrubs in my garden, I am sure that one of these would be among them, not so much for the intrinsic beauty as for the rich fragrance emitted by the creamy paired blossoms in March before the leaves appear.

ESPECIALLY FRAGRANT

Two other species noted for their fragrance are the Chinese *L. syringantha*, and its finer variety *wolfi*, and *L. thibetica*. The first has a somewhat drooping habit and makes a twiggy, wide-spreading shrub that, in May, bears lavender Heliotrope-scented blossoms in axillary clusters, almost hidden among the grayish leaves. The blossoms are followed by red berries. *L. thibetica* is a good deal like it but is smaller in all parts and the leaves are covered on the undersides with a gray down or felt. *L. syringantha wolfi* is to be preferred to either of these two because of its better form and richer colored blossoms that look like little sprays of Lilac.

Lonicera korolkowi is a recent introduction from Turkestan and is a shrub of most unusual beauty. It grows ultimately twelve feet high and against the loose-spreading and arching branches clothed in blue-green leaves it shakes out in late May or early June an enveloping spray of pink bloom. This fine shrub is perfectly hardy in New England and should be given plenty of room in which to spread and display its charm.

Of the older kinds very important are *L. macki*, *L. morrowi*, *L. tartarica* and *L. bella*. All these are strong growers, hardy and effective. The first, *L. macki*, grows in time to a height of fifteen feet, a tall upright shrub of spreading habit, deciduous, with broad shining leaves and masses of flowers sprigged all along the branches. These are white, changing to corn-color as they age, with delicate carmine markings on the exterior. The succeeding dark red fruits hang long after the leaves have fallen and make the shrub a decorative object in the late autumn garden. It is from Manchuria. *L. morrowi* is a free-growing Japanese species not so tall as the foregoing but of good form and vigorous constitution. It reaches a height of eight feet and will be as broad as tall. The flowers are cream-white and sweet-scented, appearing in May and June, and are followed by gay scarlet berries which ripen at midsummer but remain on the bushes until far into the autumn.

The Tartarian Honeysuckle, *L. tartarica*, is an old favorite with its erect habit and masses of pinkish, drooping, two-lipped flowers, borne in axillary pairs that do not change to yellow as they age, after the habit of so many Honeysuckle flowers. This is a native of southern Russia and Siberia, and there are numerous forms, some better than others. The pretty and floriferous *L. bella* is a hybrid between

(Continued on page 88)



★ Thomas A. Edis
H. T. On Dec. 2, 19
we were gracious
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Building Materials

House Building Materials

1. Copper, Brass and Bronze in the Home. This book emphasizes the importance of building for permanence with copper, brass and bronze. The American Brass Co., Waterbury, Conn.

2. June Aire. Describing the June-Aire which is a humidifier and air conditioner. Sectional views show its operation. American Foundry & Furnace Co., Bloomington, Ill.

3. The Carrier Weathermaker. This interesting book tells how the Carrier Weathermaker provides a combined heating and air-conditioning system of superior quality. Carrier Lyle Corporation, A Div., 850 Frelinghuysen Ave., Newark, N. J.

4. Distinctive Homes of Ilco Ripstone. Photographs show illustrations of several attractive homes constructed of Ilco Ripstone, and also the various patterns in which the stone can be laid. Indiana Limestone Company, Bedford, Indiana.

5. Portland Cement Stucco with Medusa Waterproofed White Portland Cement. The booklet gives the advantages and the general specifications of this water repellent cement stucco. Medusa Portland Cement Co., Dept. E., 1002 Engineers Bldg., Cleveland, Ohio.

House Building, Misc.

6. Hodgson Houses. Several of these houses are shown accompanied by their floor plans. This concern also makes garages, play houses and garden furniture. E. F. Hodgson Co., 1108 Commonwealth Ave., Boston, Mass.

Gardening

Garden Books

7. Books for Better Gardens. A catalog listing helpful books for home owners, plant growers and anyone interested in ornamental plants and gardening. The Macmillan Company, 60 Fifth Ave., N.Y.C.

Garden Furniture & Decorations

8. Garden Figures. A large illustrated booklet showing a number of figures. A $1.00 charge is made for the booklet which will be refunded when it is returned. F. B. Ackermann, 50 Union Square, N. Y. C.

9. Garden Furniture. An illustrated booklet showing garden pieces of Pompeian Stone, marble, terra cotta and lead. Price 10c. The Erkins Studios, 253 Lexington Ave., N. Y. C.

10. Galloway Pottery. A large selection of decorative terra-cotta garden pieces, described and illustrated. Price 10c. Galloway Pottery, 3218 Walnut Street, Philadelphia, Pa.

Fences

11. Ways to Enrich Home Life. Photographs show how the beauty of your garden may be protected by a Cyclone Fence. Cyclone Fence Co., Waukegan, Ill.

Lawn Mowers

12. "Lawns Beautiful". Several types of the Jacobsen Power Lawn Mower are illustrated and described, accompanied by sectional views. Jacobsen Mfg. Co., 743 Washington Ave., Racine, Wis.

13. Coldwell Dependable Lawn Mowers. Mowers operated by hand, horse, gasoline and electricity. Several types are illustrated. Coldwell Lawn Mower Co., Newburgh, N. Y.

Seeds, Bulbs & Nursery Stock

14. Roses. This is an indispensable directory for all those who grow Roses in their gardens, or wish to do so. It contains numerous attractive color illustrations. Bobbink & Atkins, Rutherford, N. J.

15. Bristol Nurseries. A wide selection of perennials are offered in a colorfully illustrated folder. The Bristol Nurseries, Inc., Bristol, Conn.

16. Star Guide to Good Roses. The 1932 edition of this guide contains helpful information on Roses and makes the selection of varieties much easier. The Conard-Pyle Co., West Grove, 321, Pa.

17. Dreer's Garden Book. The manual of an institution from which evidently can be sure to obtain seeds and plant material of the highest quality. Dreer's, Dept. K., 1306 Stelton Garden Street, Philadelphia, Pennsylvania.

18. Hill's Evergreens. Illustrations in color and information on Evergreen grouping and planting. Costs 25c, refunded with first order. D. Hill Nursery Co., Box 301, Dundee, Ill.

19. Orchids. A long list of varieties and prices, accompanied by beautiful colored illustrations. Oechtlewood, Inc., 820 Pelhamdale Ave., New Rochelle, N. Y.

20. Sutton's Amateur's Guide. The position of English horticulturists is strengthened by this catalog of one of England's greatest plant seed organizations. A 35c charge. Sutton & Sons, Ltd., Department C, Reading, Eng.

21. Lily Pools. Includes simple plans and directions for building a lily pool or a fish pool. Color illustrations show several beautiful lilies. Wm. Tricker, Inc., Saddle River, N. J.

House Furnishings

Blankets, Sheets & Towels

22. Color Catalogue. Attractive photographs show the designs and colors available in North Star Blankets and Wamsutta Percale Sheets and Pillow Cases. North Star Woolen Mill Co., Minneapolis, Minn.

23. Color Catalogue. Several attractive color photographs show the designs available in Wamsutta Percale Sheets and Pillow Cases and North Star Blankets. Wamsutta Mills, New Bedford, Mass.

24. Martex Towel Color Guide. Tells you how to select towel colors that will harmonize with your bathroom color scheme. Wellington Sears Co., 65 Worth St., New York City.

Clocks

25. Seth Thomas Key Wound Clocks. A wide selection of clocks is shown giving sizes and descriptions. Seth Thomas Clock Co., Thomaston, Conn.

26. Perfect Timing. Several styles of Telechron Clocks are illustrated and described in an attractive folder. Warren Telechron Co., Ashland, Mass.

Door Chimes

27. Deagan Door Chimes. A pamphlet describes these melodious chimes and their various uses. J. C. Deagan, Inc., Dept. D[illegible], Deagan Bldg., Chicago, Ill.

Floor Coverings

28. Facts You Should Know. Information on the care and cleaning of carpets. Illustrates the advantages of using Ozite rug cushions. Clinton Carpet Co., Merchandise Mart, Chicago, Ill.

29. Color and Charm in Home Interiors. Practical suggestions for decorating the main rooms in the house. Attractive color illustrations. Price 25c. Congoleum-Nairn, Inc., Kearny, N. J.

30. Period Interiors. Color illustrations show attractive rooms in which the floor coverings are Cochrane carpets and rugs. Charles P. Cochrane Company, Philadelphia, Pa.

31. Claridge Carpets. A portfolio of illustrations showing the colors and uses of Claridge Carpets in decoration. Ten cents. Clara Dudley, W. & J. Sloane, 577 Fifth Ave., New York City.

Furniture

32. The Queen Anne. A charming dining room group in this period is attractively illustrated and described. Kittinger Co., 1909 Elmwood Ave., Buffalo, N. Y.

33. Kindel Colonials for the Bedroom. The various types of Colonial furniture are described and attractive photographs show their appearance. Kindel Furniture Co., Grand Rapids, Mich.

34. The Charm of Reed Furniture. Several illustrations of furniture in reed and rattan which can be finished in any color and upholstered in any fabric. Price 25c. The Reed Shop, 117 E. 57th St., N.Y.C.

35. Colonial Furniture. A wide selection of reproductions of Early American Colonial bedroom furniture in mahogany, maple, walnut, cherry, and American gumwood. Wheeler-Okell Co., Fatherland Street, Nashville, Tenn.

Lighting Fixtures

36. Lighting Fixtures. Illustrating sconces, ceiling fixtures and lanterns hand wrought in several styles. Industrial Arts, Inc., 501L North Bennet Street, Boston, Mass.

37. Florentine Craftsmen. Reproductions of lamps and lighting fixtures in several periods, executed in wrought iron. The Florentine Craftsmen, Inc., 45 East 22nd Street, New York City.

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Candy

41. M. [illegible] three amusing parties are given in a folder. Robert A. Johnston Co., 9-11, Mil[illegible], Wis.

Gifts

42. Pitt Petri. A wide range of attractive glassware and other decorative gifts such as miniature coaches, cigarette boxes, ash trays, etc. Pitt Petri, Importer, The Waldorf-Astoria, New York City.

43. Yamanaka. Illustrating the many delightful decorative furnishings and gifts which can be obtained through the [illegible] Yamanaka & Co., 680 Fifth Ave., New York City.

Travel

44. The Spell of Hawaii. A profusely illustrated booklet which tells of the beauties of Hawaii. Ten cents. Hawaii Tourist Bureau, 229-E. Bush Street, San Francisco, Calif.

45. S. S. Mariposa. Describing the South Seas and Oriental cruise of this beautiful ship which starts the voyage on January 16th. Matson Line, 535 Fifth Ave., New York City.

46. N.Y.K. Mail. Discusses various tours to the Orient, around the world and through the Pacific. Nippon Yusen Kaisha, Dept. 6, 25 Broadway, N. Y. C.

47. Death Valley. An illustrated catalog showing the natural beauties of Death Valley where one can either enjoy a quiet rest or indulge in outdoor sports. J. P. Cummins, Room 150, Union Pacific System, Omaha, Nebr.

48. Vulcania Cruises 1932. A well illustrated folder describes the West Indies and South American cruise of this beautiful ship. Cosulich Line, 17 Battery Place, New York City.

49. Mediterranean and West Indies Cruises. Booklets describing the many cruises of long and short duration by famous transatlantic liners of the International Mercantile Marine. International Mercantile Marine, 1 Broadway, New York City.

50. France. Brochure illustrating and describing the important and picturesque French cities, that can be visited through the medium of the Railways of France. International Wagons-Lits, 701 Fifth Avenue, New York City.

51. Caribbean and West Indies Cruises. Literature describing the Great White Fleet and its cruises. United Fruit Co., Pier 3, North River, Dept. G., New York City.

52. Southern California through the Camera. The beautiful photographs in this booklet depict typical scenes of Southern California. Postage 4c. All Year Club of Southern Calif., Ltd., Div. G-12, 1151 S. Broadway, Los Angeles, California.

53. To the North Cape. An attractively illustrated booklet describing a circular tour through the Scandinavian Peninsula. Swedish State Railways, 551 Fifth Ave., New York City.

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While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.

A garden gadabout goes to Britain

(CONTINUED FROM PAGE 67)

added smilingly, "to visitors who show a real interest in the garden and don't ask foolish questions, as a special and final treat—and we never fail to inform them that it is a pure-blooded American plant." Old Apple Blossom stands ten feet high by ten feet in diameter and on that day was covered as with a blanket by a multitude of rosy blooms. Hardly a leaf was visible between them. A fortunate hybrid between *Rhododendron maximum* and *R. minus,* its proud origin is not to be questioned.

* * *

The rock garden at York nursery reminded us at first glance of the Royal Botanic at Edinburgh. Its construction was along similar lines and in its nooks, pockets and borders were practically the same kinds of Alpine and American flowers. At its center was a charming fern-bordered and tree-shaded pool and there all the paths converged. It was so lovely in that secluded spot that we were content to remain until almost sundown, reveling in the richness of the floral display and making notes of kinds we coveted. We learned from the catalog that this nursery is 200 years old, that it offers over 150 different species of American wildflowers (several times as many as any of our "leading" American nurseries offer) and that, except on Saturday afternoons and Sundays, visitors are more than welcome. It is an admirable example of what a nursery should be and no garden enthusiast who goes to York should miss seeing it.

* * *

Two sides of the broad, perfectly turfed campus at St. John's College, Oxford, are bounded by an ancient stone wall of formidable height. Despite its forbidding, prison-like aspect and its palpable discordancy with its pleasant surroundings, no one ever ventured to suggest that something might be done to conceal its uncouth ugliness until just a few years ago. Then came to St. John's, as a new member of the faculty, an ardent garden lover. The wall soon got on his nerves. It became to him an intolerable eyesore. He studied it and decided that the best thing to do, in order to hide it, was to build a rock garden in front of it, and he drew up plans accordingly. His ideas were approved and he went to work. He had planned well and he builded better. But unfortunately he died before the job was finished. However, the very efficient head gardener was fully equipped by experience to carry on the good work; and he did so, sympathetically and with very excellent taste.

I was told this story at Edinburgh, as a preface to the statement that the rock garden, as completed, is second only to the Royal Botanic garden that I was then inspecting. When I reached Oxford and saw it, I found the statement was true. The time of our visit was mid-June. There was an abundance of bloom in the garden and the soft green summer foliage was at its best. The first thing I noticed was that the Professor's main object had been realized. The wall was hidden to all intents and purposes. In a few places one caught a brief glimpse of its grayness well in the background, but that was quite evidently intentional. "What's part concealed is best revealed," you know.

Then, the bold contours of the garden excited our admiration. The general outline is that of a mountain range, its peaks almost topping the wall, with cliffs and steep slopes and huge, protruding boulders on their faces and tapering foothills that merge gradually into the level of the lawn. Between the mountains are miniature valleys and gorges and side ravines, and little meadows and plains are to be seen here and there.

Everywhere were pockets and crevices and nooks and corners, all containing mats and clumps of creeping or spreading or trailing rock and Alpine plants in bewildering variety. Ferns and woodland flowers requiring half or full shade, fill the recesses of the valleys and in the foreground are sightly and well arranged borders and beds, pleasingly filled with gay annuals and a few kinds of bedding plants, all in broad sweeps and reaches of color, and all colors blended into one harmonious ensemble. We noted the usual abundance of American flowers and an unusual number of Californians among them. This made me wonder why we gardeners of the eastern and middle States do not fill our summer vacancies with the many lovely things which may be had from the Pacific Slope instead of sticking everlastingly to the same old bug-ridden, disease-infected stuff that so many of our seedsmen foist upon us—the same ones yesterday, today and forever.

Oxford confesses to, but seemingly does not boast of, the oldest Botanical garden in Great Britain. I went to see it, but as the Oxonians have little to say about it, so shall I, beyond remarking, in passing, that it was started in the year 1642 and so is certainly old enough to know better.

* * *

My hunt for unusual gardens throughout Britain came to a glorious climax at Gravetye in Sussex, the Mecca of all true garden lovers the world over. For it is the home of William Robinson, editor, author of many books and, in the opinion of the cognoscenti, foremost among living horticulturists. His two best known books, *The English Flower Garden* and *The Wild Garden,* are classics that are accepted everywhere as authoritative beyond question. The welcome he extended on my arrival at the old Manor house was characteristic and cordial. He said:

"I am very glad to see you here. I have wanted to know you because you and I are the only two men who have ever written books about wild gardening and had the luck to find publishers willing to print them."

The day was raw, rainy and chilly, although it was near the end of June, but there was a roaring fire of huge logs in the morning room, in front of which we sat in comfort and talked shop. He was an intensely interesting conversationalist and I only wished

(*Continued on page* 83)

Annuals in a Rock Garden?

When, if ever, should annuals be planted in the rock garden? If you turn to page 63, of the 1932 edition of Dreer's Garden Book, you will find the answer by this acknowledged authority.

Send for your copy of the famous Garden Book now. Enjoy the satisfaction of being able to speak with confidence of your own plants and flowers. And watch the effect of the simple statement, "That is what Dreer's Garden Book says!"

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Dept. K 1306 Spring Garden Street
PHILADELPHIA

DREER'S

Honeysuckles of branch and tendril

(CONCLUDED FROM PAGE 81)

the [illegible] and *L. tatarica* [illegible] foliage dusty gray, the flowers pinkish, like those of the Tartar parent. In the variety *albida* the flowers are pure white. In this garden it self-sows freely, [illegible] about it. It will grow happily and blossom almost anywhere, even on the north side of a building.

Two evergreen species that may be found exceedingly useful are *L. nitida* and *L. pileata*. [illegible] Honeysuckle, grows slowly to a height of six feet and is proving valuable as a hedge plant in certain parts of the country where [illegible] [illegible] tall hedges. It is not hard to find [illegible] but a more suitable rock garden kind is *L. pileata*, dwarf and spreading in habit, appearing much like a Cotoneaster with small, deep green Box-like leaves. Half hidden among the [illegible] are clusters of [illegible] scented creamy trumpets and later translucent purple fruit. Its home is in Central China and it is quite hardy in the neighborhood of New York.

A garden gadabout goes to Britain

(CONCLUDED FROM PAGE 82)

that I could jot down verbatim all the wisdom he imparted to me. I discovered at the start that our conceptions of what a wild garden should be differed widely. Mine was to confine it to native wildflowers exclusively; his was to show how one may enjoy the beauty of more hardy flowers from other countries than can be accommodated in other forms of gardens by naturalizing them in orchards, fields, forests and other usually neglected places. Among his favorites for this purpose he mentioned Daffodils, Scillas, Snowdrops, Tulip species, Violets, Anemones, Irises, Bloodroots, Lilies, Phloxes, Sun Roses, Wild Roses, Star of Bethlehems, Asters, Golden Rods and Ferns. He also greatly admired the California annuals.

When it came time to leave for the London train, he insisted upon motoring to the station with me and in saddling me farewell, he said smilingly, "Come again whenever you are in England, and stay longer. You have made me laugh a lot and it isn't often I have visitors who make me laugh."



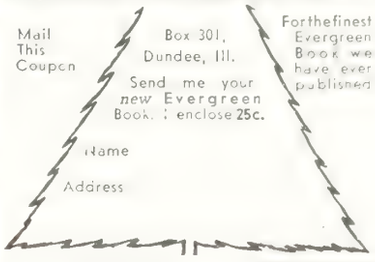
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HOUSE & GARDEN

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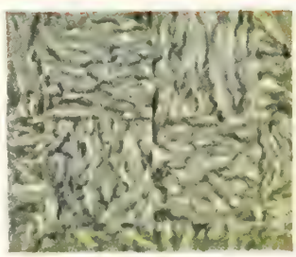
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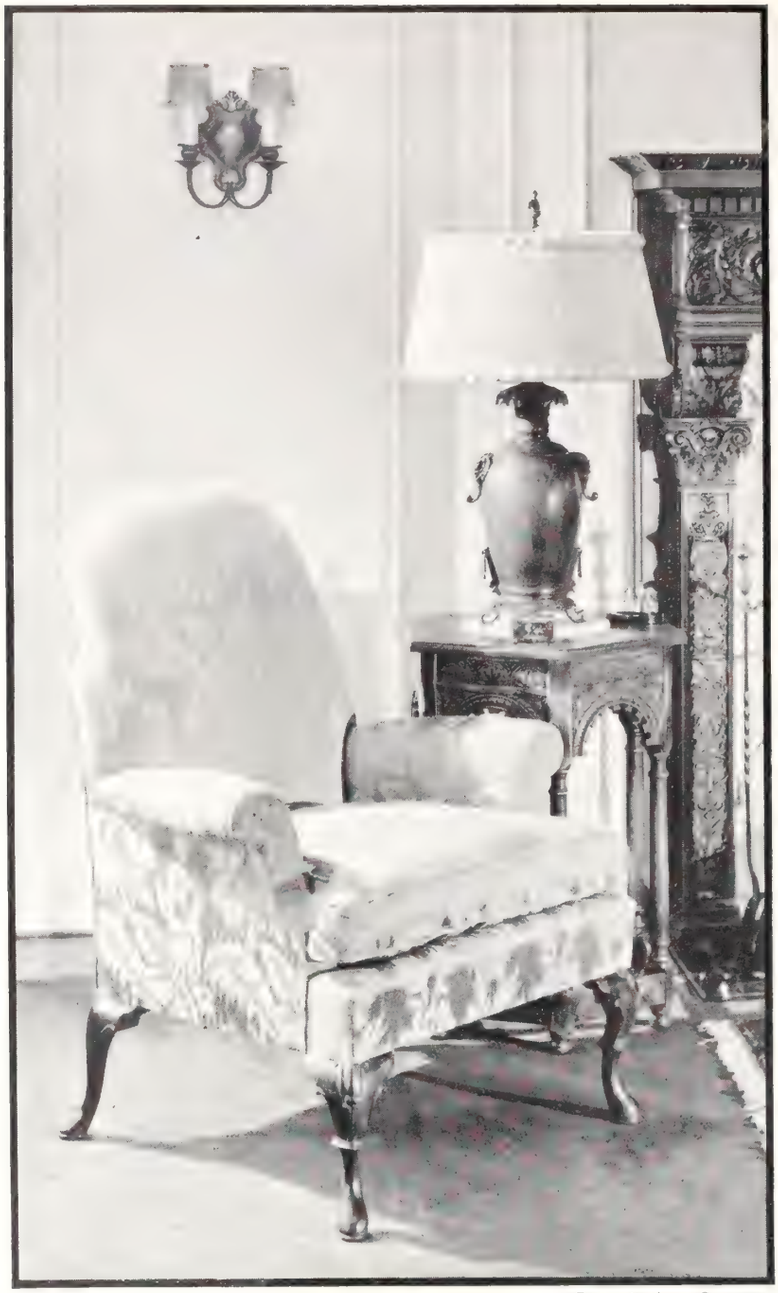
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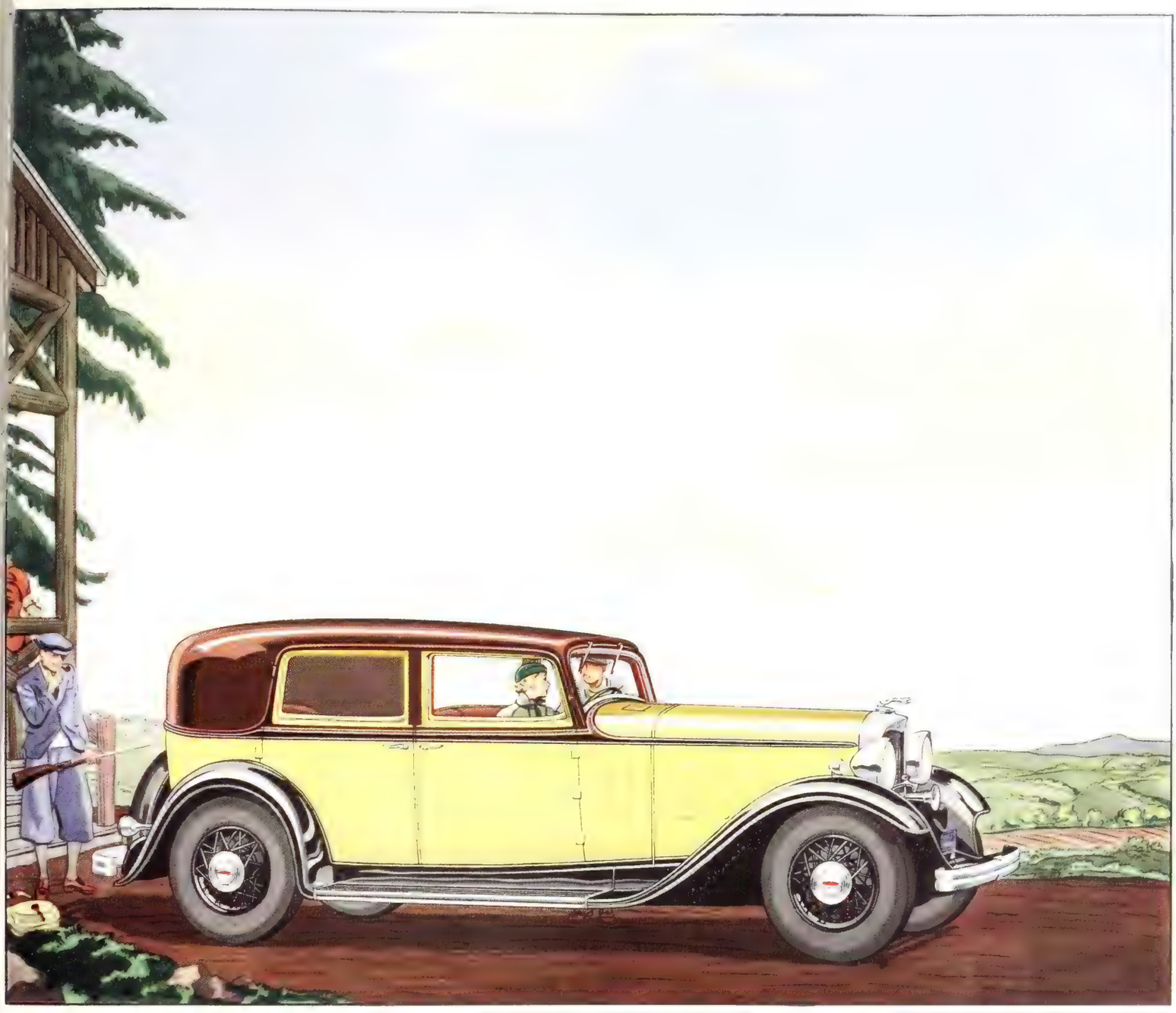
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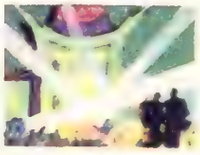
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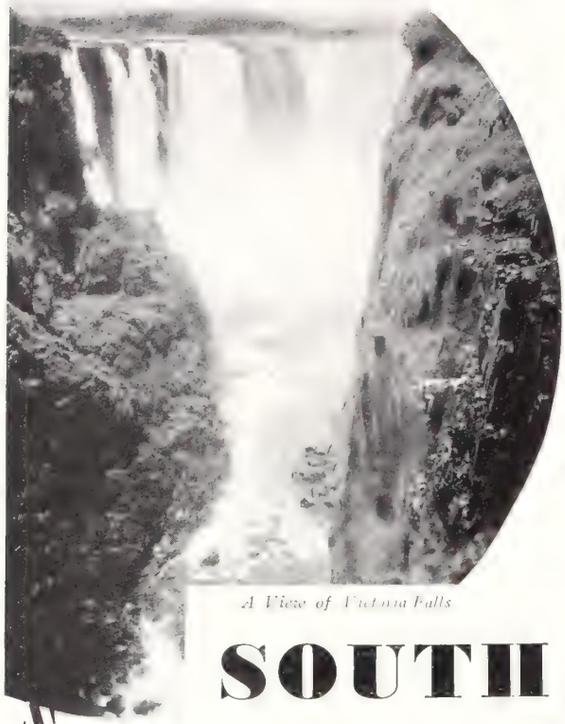
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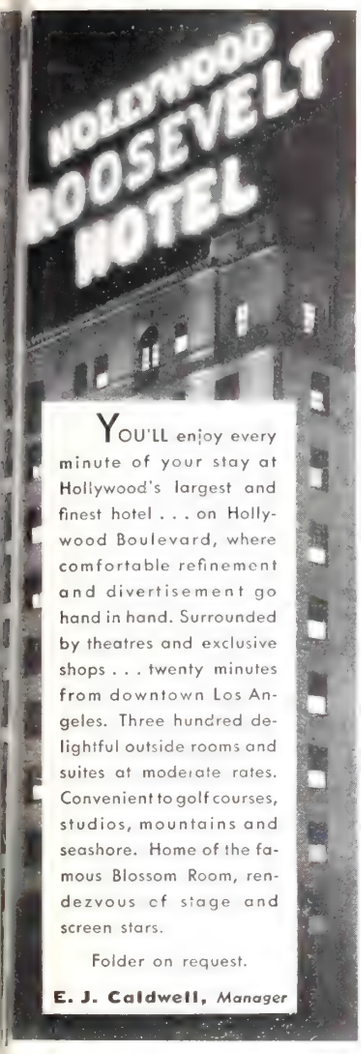
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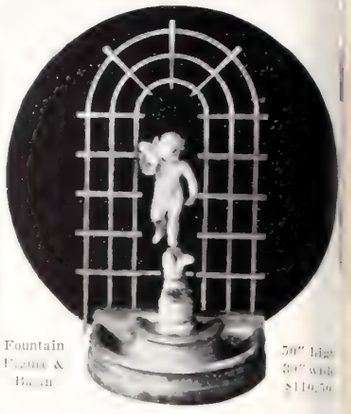


■ Mindful of the 200th birthday anniversary of a certain George Washington that is to be celebrated this month, we have assembled on these pages a number of decorative accessories to enhance the room furnished in Federal manner.

The miniatures of the Parents of our Country, at the left, are printed in soft colors on wood and framed in maple. Each measures 4⅜ by 4⅞ inches. $5.50 pair. The Gift Tree, 172 E. 51st St., N. Y.

■ Here we have General Washington in full military regalia, astride a dashing black charger, decorating one of a pair of modern glass powder jars, the American Eagle and shield on the other. An eagle and a pair of swords ornament each cover. The decalcomania decoration in natural colors has a chalky white background, while the inside of each jar is light blue. $5. each. Height and diameter, 3 inches. Janet Hurter, 128 East 10th St., N. Y.





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■ One of the brocades worn by Martha Washington inspired the charming new Wedgwood pattern shown at the left. On a border of pale, pinky beige, flowers in tones of dark, purple-red and blue are intertwined with a delicate pattern of brown and white ribbon. Small butterflies hover above the blossoms. 10-inch plates are priced at $68.20 per dozen. A dozen cups and saucers cost $65.50. Rich and Fisher, Inc., 14 E. 48th St., N. Y.

■ Fired with patriotism, the artists and designers of the newly independent thirteen colonies used for their decorative motifs the national star and eagle emblems, as in this lamp, a modern version of Federal design. The shade is white parchment with gold border; the base, of metal, is painted black with raised gold stars. Base, 20½ inches tall, costs $20.; the shade, 14 inches in diameter, $7.50. McPherson & Foote, 1045 Madison Ave., N. Y.



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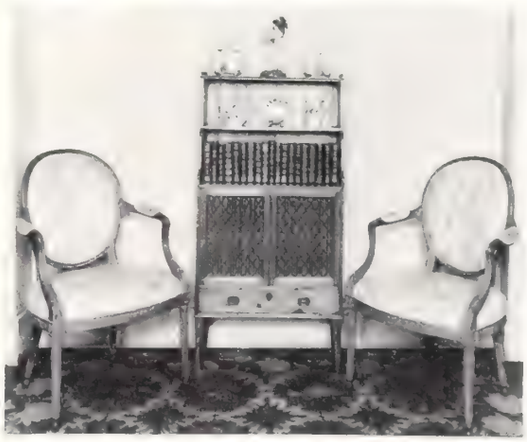


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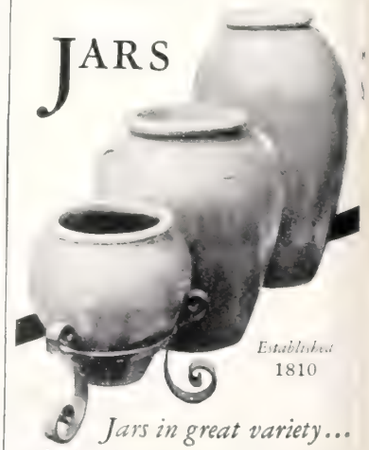
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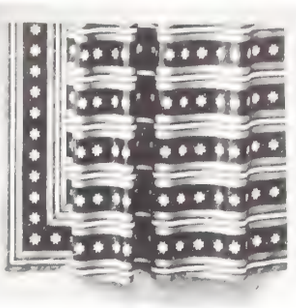


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■ The position of small chairs has been a problem particularly since very pretty fabrics designed to decorative accompaniment stripes of La Marquise by Frances Grant is delightful for use in bedroom, white and beige especially against a background of white in chalky blue satin. The unique new schumacher design is 36 inches wide and is priced at $2.50 a yard. Bostwick and Tremaine, 694 Madison Ave., New York.





■ Illustrated at the left is a reproduction of a decorative paper found on the walls of an old house dating from the earlier days of the Republic. Following the color scheme of the original, the background of this new Strahan design is a grayish cream, the pattern executed in black and creamy tan. Men and women in costumes of the period form the motif. $1.85 per roll. 21 inches wide. A. H. Jacobs, 117 W. 33rd St., New York.

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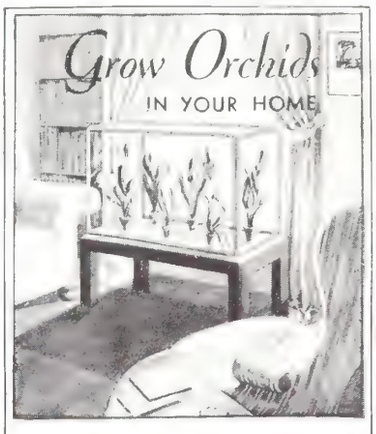
■ One can picture the Squire of Mt. Vernon, after an arduous day of fox-hunting, toasting his boots in front of andirons such as these. Of dull-polished brass in simple design, they suggest the dignity and graciousness of this early period. These fireplace accessories have been copied from an unusually fine example of Federal metal craft and are 22 inches tall and 12 inches wide. The price is $125. Todhunter, Inc., 119 E. 57th St., New York.





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All from prize winners [illegible]
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Scottish Terriers

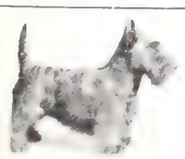
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SCOTTISH TERRIERS

Hitofa Scotties [illegible] puppies [illegible] breed [illegible]

"HITOFA"
WELSH TERRIERS



Terriers of this breed are [illegible] sense and distinctive manner. [illegible] town or country [illegible]

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"ALL Guaranteed"

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[illegible]
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P. O. Address: R. D. 5, Norristown, Pa.

READER QUESTIONS AND OUR ANSWERS

(CONTINUED FROM PAGE 17)

Can you tell me what the standard height and weight are of the Russian Wolfhound?—F. McD.

The Russian Wolfhound averages in height at the shoulder from 28 to 31 inches, and his weight averages from 75 to 105 pounds. Females of this breed, as of other breeds, are smaller than the males, about two inches less in height and from 10 to 20 pounds less in weight.

What is meant by the term "culotte"?—H. D. T.

It means the hair, sometimes called the breaching, on the thighs, as in the Schipperke and Pomeranian.

A. contends that the Chihuahua is purely a pet, while B. contends that it has utility.—C. E. W.

B. is right. The book entitled "Pure-Bred Dogs", published by the American Kennel Club, on page 229 says, "Chihuahuas, despite their extreme smallness, are instinctive hunting dogs and ratters. In their native desert country in Mexico and the Southwestern parts of the United States, they readily go to ground after small vermin. They are natural retrievers and will attempt to carry anything."

My brother and I are both the owners of two beautiful Irish Wolfhounds of which we are very proud, and we would like to know if there is any club of Irish Wolfhound fanciers in this country which we might join?

—E. E. W.

If you will address The Irish Wolfhound Club of America, Mr. L. O. Starbuck, secretary, Ambleside, Augusta, Michigan, you will receive full and complete information as to how to join this club, which is devoted solely to

(Continued on page 19)

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(MINIATURE COLLIES)


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All the Beauty
Grace and Distinction
of the Collie in
One Fourth the Size

The Sheltie, as this charming breed is familiarly called, is not a toy. . . . He is the Shepherd Dog of the Shetland Isles, standing from 12 to 15 inches at the shoulder. . . . His small size makes him easy to care for. . . . He is an excellent pet and companion. . . . He possesses the protective instinct, intelligence and nobility of the large breeds. . . .

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Frederica F. Del Guercio, Prop.
For particulars apply to
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Greenwich 3723


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SEALYHAMS



A collection of both breeds. Those who want a dog of good breeding and good looks at [illegible] will [illegible] Let us [illegible]

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MR. RUSSELL OGDEN SHAW, *Manager*

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THE DOG FOOD SUPREME

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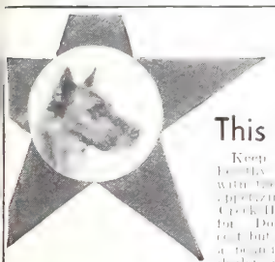


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Sergeant's
DOG MEDICINES & FOOD

READER QUESTIONS AND OUR ANSWERS

Recently I attended an all breed dog show, and heard the term "working dog" used frequently by the ring steward. What exactly is a "working dog"?

—*M. S.*

The term "working dog" is an official classification of the American Kennel Club for certain breed of dogs, among them the Collie, Eskimo, German Shepherd Dogs, Great Danes, Dobermann Pinschers, Samoyedes, and St. Bernards. All of these have for many, many years performed certain distinguished duties which have earned for them the title of "working dog". The Collie is a herding dog, the Eskimo a sled dog in the Arctic regions, the German Shepherd a sheep-herding dog, the Great Dane is used for hunting wild boar in Germany, the Dobermann Pinscher has been for many years and still is a guarding dog in Germany, and is quite distinctly a police dog, the Samoyede has drawn sleds and herded reindeer in far-off Siberia, and the St. Bernard, of course,

What is the difference between a Bulldog and a Bullterrier, or are they one and the same dog? —*I. F.*

They are not the same dog. There is quite a difference. The Bullterrier is a very active, lively dog, very game, and very courageous. The Bulldog is also game and courageous, but has a more compact body, and is slow in movement.

I am somewhat confused by the number of different looking dogs who are called Foxterriers by their owners. Is there more than one breed of Foxterrier, or are these others mongrels?

—*R. H. H.*

There are two breeds of Foxterrier—the Wirehaired and the Smooth. The wirehair variety resembles the smooth in all respects except the coat. The wirehair has a broken or rough coat, and the harder and more wiry the texture of the hair, the better. The coat of the smooth should be straight, hard, flat, smooth, dense, and abundant.



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One female, black, [illegible] age, [illegible] Litter Holland German [illegible] than there are better.

Puppies and [illegible] Healthy, peppy [illegible]

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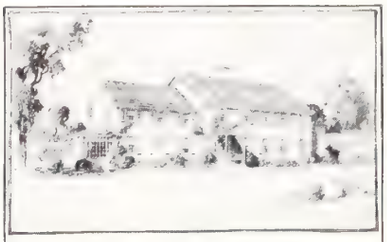
Young woman graduate of School of Horticulture, Ardsley, Pa., [illegible] Houses, gardens of prominent estates, [illegible] on estate. Experienced manager of plant and garden work. Reference. Please [illegible] particulars. Box HAVE, c/o House & Garden, Graybar Building, Lexington Avenue, New York City.

REAL ESTATE

Continued on page 20

• REAL ESTATE GUIDE •

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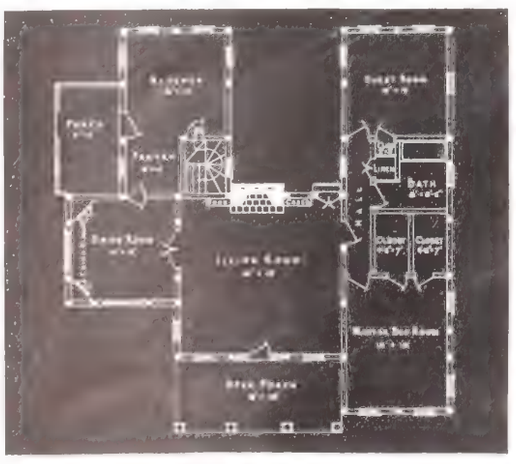
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For a little shelter of peace amongst [illegible] —this Colonial garden house and [illegible] catalog G-2 shows other models [illegible] tages, greenhouses, trellises, [illegible] and [illegible]



CHRYSLER has all America *asking*

Is any automobile up-to-date without *patented*

FLOATING POWER ?

All of the finer, more beautiful new Chryslers have Floating Power, *that great fundamental discovery which takes first place among engineering developments of modern times. Revolutionary in principle—sensational in results. Completely* wipes out *power tremor from both frame and body. Makes the flood of Chrysler power calm and quiet as a millpond. Creates an entirely different "feel" in performance. A smoothness impossible to describe. Previously there had been nothing like it—nothing nearly like it. Scientific minds regard it as the greatest single advantage a modern motor car could have.*

IS ANY AUTOMOBILE UP-TO-DATE WITHOUT AN

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Completely Automatic. Makes driving supremely simple Nothing for your left foot to do but be comfortable. You don't have to touch the clutch pedal when starting from a standstill, when changing gears, or even to use reverse. Makes driving easier for everybody Women particularly enjoy it. The action of this Automatic Clutch is always soft and smooth, *never* jerky

IS ANY AUTOMOBILE UP-TO-DATE WITHOUT A

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It isn't gear-*shifting* in a Chrysler any more — it's gear-*selecting.* When you release the accelerator, you move the lever freely into place in any direction without touching the clutch pedal—with the car starting from a standstill or traveling at any speed, or when reversing. It's easy. It's effortless. A child could do it. There is no resistance, no sense of friction. You can move the lever as fast as you like or as slow as you like—backward or forward—*the gears cannot clash.*

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Chrysler's Free Wheeling is an entirely separate unit at the rear of the transmission. When you are free-wheeling in a Chrysler, the transmission gears are at a complete standstill, disconnected from both the engine and the rear wheels. This not only provides *real* Free Wheeling, but makes possible the new kind of effortless shifting you enjoy with the Silent Gear Selector.

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Hydraulic Brakes?

Chrysler Hydraulic Brakes excel because they are simpler. They have fewer parts. They never need lubrication. They are always *equalized* because they equalize themselves. Quicker stops with greater ease. *Safer* stops because of absolutely equalized pressure on all four wheels. No "side-pull." No swerving. Hydraulic Brakes are used for safety on buses and big trucks. All new taxicabs in New York are required by city ordinance to have Hydraulic Brakes. Try Chrysler brakes and you will never want to go back to any other kind.

S ANY AUTOMOBILE UP-TO-DATE WITHOUT

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New and larger brake drums of combined steel and cast iron. New type of construction. A steel drum with cast-iron lining—the drum and the lining ***permanently*** fused together. The combination of steel and iron fused together makes brakes that last longer, remain cooler, retain uniform efficiency—brakes of quick action, soft action, sure action, safe action.

IS ANY AUTOMOBILE UP-TO-DATE WITHOUT AN

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With today's congested traffic conditions, steel motor car bodies are as vital to safety as steel railway coaches. Chrysler steel bodies are of ***all-steel*** construction, rigidly reinforced and welded into one piece—the kind of construction you should have and should ***demand.*** The entire body is sound-insulated. Wide, comfortable seats. Unusual leg-room and head-room. Beautiful upholstery, fixtures and trim. Strength, safety, smartness, luxury—it has them ***all.***

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The modernizing of the motor car has imposed new demands upon automobile frames, as well as other units of the car. Chrysler engineers have developed a frame of entirely new design. It incorporates the Double-Drop feature, permitting a noticeably low, smart and fleet car appearance. By means of the new Girder-Truss construction, two extra steel members parallel the side channels at either side of the engine, giving twofold support and strength. Continuing, these members cross over diagonally and meet the opposite side channels at the rear, forming an amazingly rigid construction. The result is multiplied strength and a stable, distortion-proof foundation for the body

IS ANY AUTOMOBILE UP-TO-DATE WITHOUT

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The new Chryslers steer with a touch. Women especially enjoy Chrysler steering. It not only makes driving easier, but it is so much easier to get in and out of parking spaces. And Chrysler steering is protected from road-shock. You never "feel the road" through the steering wheel.

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Chrysler Speed and Pick-up?

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IS ANY AUTOMOBILE UP-TO-DATE WITHOUT

All These Other Features?

Besides all its new outstanding superiorities, Chrysler retains the following important ***basic*** features—pioneered or popularized by Chrysler and features of Chrysler cars for years: In the Eights, a 4-speed transmission with internal Dual High Gears; in the Six, a Silent-Second Easy-Shift Transmission; all have the high-compression engine; full force-feed lubrication; ventilated crankcase; aluminum alloy Invar Strut pistons; counterweighted crankshaft; modern fuel system with fuel pump; oil filter; air cleaner and intake silencer; noiseless spring shackles; cowl ventilators; small base wheels and large tires; adjustable front seat; interior sun visors; indirectly lighted instrument panel; treadle-type accelerator—and many other features that add to Chrysler efficiency and Chrysler value.

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A new Chrysler Six with an 82-horsepower engine and five body models, $885 to $935 (Automatic Clutch on all Sixes, $8 extra); a new Chrysler Eight with a 100-horsepower engine and four body models, $1435 to $1535; a new Chrysler Imperial Eight with a 125-horsepower engine and two body models, $1925 to $1945; a new Chrysler Imperial Custom Eight with a 125-horsepower engine and six body models (prices furnished upon specifications required). All prices f. o. b. factory. Duplate Safety Plate Glass obtainable on all models at slight extra cost.

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FEBRUARY 1932

THERE is that about February in the North which, to most of us, marks it as the low point in the seasons' cycle of vitality—the traditional darkest hour which is spoken of as preceding the dawn.

And yet, for those who have eyes to see and ears wherewith to hear, there are signs that a turn in Nature's road is close at hand. Icicles, emblematic of cold but really glistening testimonials to the growing power of the sun, drip from the south-ward-facing eaves at midday. There comes a softer blue to the country skies, a kindlier look to the fair-weather clouds. Even the westward canyons of the streets are touched at evening with a stronger, longer afterglow.



Romeo and Juliet
The famous balcony scene from Shakespeare's immortal love story.

Modern ROMANCE *has its sweetest message in* -----



Send Whitman's by wire— anywhere.

Whitman's SAMPLER

As Romeo symbolizes the lover, so the *Sampler* stands for the tribute he pays to the modern Juliet. So many romances have woven themselves about the Sampler that for thousands it has itself acquired an atmosphere of romance.

So we offer it as the Valentine of 1932, with a gay design of hearts and harlequins.

The Sampler is the most widely distributed assortment of candies in the world. Buy it, in the Valentine dress, or without, at the nearest Whitman dealer.

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THE BULLETIN BOARD

MORE WHITE. Although bitterly neat housewives cannot understand how these all white rooms are kept clean, the vogue for white increases at a dizzy pace. White and crystal. White with a suggestion of gold. White walls, white curtains, white furniture, white upholstery. White rugs, even. Dead white. Glistening white. Flat white. Oyster white. You never dreamed white could have so many tones.

All kinds of people are trying it for all kinds of rooms. In a smart, new Connecticut hilltop house the dining room was all white and, we understand, in the additions she has made to her home in Beverly Hills, Mary Pickford has gone all white throughout.

PAPA BIEDERMEIER. On pages 38 and 39 of this issue, the brilliant French artist, Pierre Brissaud, has captured the atmosphere of the Biedermeier era, that quaint pantaloon period of German furnishing which is enjoying popularity today. This style is at home in the company of Directoire, Empire and late Colonial pieces. It calls for narrow striped satins, moires and brocades, and damasks with small figures.

ENGLISH BREAKFASTS. Perhaps it may be attributed to the revival of hunting in this country, or to a desire for ease of household management—whatever the cause, the English style of country breakfast is appearing here. The dishes are prepared and kept warm on a side table, and each one helps himself as he comes down. It simplifies the kitchen work in a house where the family and guests straggle down at all hours. It also affords a chance to create interesting and tempting buffet arrangements—the dishes with their silver covers, the ranks of supine forks and knives and spoons, the piles of plates. And over all hangs, like incense in an old church, the aroma of bacon and coffee.

GOURD PARTY. If one must ride such a hobby as Gourds, then why not have some fun out of it? Our special pet Gourd hobbyist, Mr. Charles A. Stevens of Chicago, gives a Gourd party for children each fall. He makes cups and queer animals from them and on each is hung a package of Gourd seed.

COSTS OF HOUSES. We are often asked why House & Garden doesn't tell its readers the costs of the houses it shows. We refrain from this for several reasons. Most owners believe, and rightly, that the cost of their houses is no affair of the public. But the most important reason is the fact that building costs are subject to so many influences that the same house will cost quite different sums in different parts of the country.

TEXT FOR COLLECTOR. Lest those canny snoopers after the antique and curious fear they are being left out in the Biblical cold, we hasten to assure them that having searched the Scriptures, we have discovered their text in the 14th verse of the 20th Chapter of Proverbs—"It is naught, it is naught, saith the buyer: but when he is gone his way, then he boasteth."

INSTRUCTIONS TO A DOOR

Brave Sentry Door of seasoned wood,
When Fortune, Friends, or aught that's good
Shall knock, swing wide with courteous grace,
But slam yourself in Trouble's face!

—Arthur Guiterman

COLLECTING MODERNISM. Now that the furniture of our immediate ancestors has become collectable, to satisfy the contemporary Victorian taste, we wonder how soon modernist pieces will be rated as antiques. Look over the modernism of five years ago, and it already exudes the lavender-and-old-lace perfume of ancient respectability. Indeed the smart modernist of today is as contemptuous of old-fashioned modernism as he is of the historic periods.

POEMS FOR ARCHITECTS. John Nash, who sustained his life from 1752 to 1835, was once a favorite architect in London. Among his creations was the Marble Arch, but he didn't always work in marble. He used quantities of cast iron and, so many thought, an excessive amount of stucco. A wit of the day wrote of him—

But is not our Nash, too, a very great master?
He finds us all brick and he leaves us all plaster.

Sir John Vanburgh, famous for his large buildings, was celebrated in the suggestion for an epitaph—

Lie heavy on him, earth, for he
Laid many heavy loads on thee.

GENERAL JAC'S BEER. Near the Garde St. Lazare in Paris is a little German-appearing structure that boasts a statue of Gambrinus, titular deity of malt beverages, and is known as the Brasserie Jacqueminot. Inside are kept —or were kept at one time—mementos of the famous General Jacqueminot. Most of us remember this Napoleonic soldier by the Rose that bears his name, but he has another claim to immortality. He introduced German beer into France. There is still a Jacqueminot brewery at Ivry-sur-Seine. The hybridizer of the Rose must have been a great beer lover, for Jacqueminot had been dead many years when the brewery was named for him.

F[illegible] the English landscape architect. Intended for commerce, he was sent by his family to Holland, there to learn Dutch and study the chintz and [illegible] studied botany and gardening under Lancelot [illegible] ever pleasant his gardens, his personality appears [illegible] who met him. They called him a coxcomb. Had he lived today he would probably have stuck to [illegible]

[illegible] club that starts a movement to give us more kinds of Lettuce. Truck growers seem wedded to Big Boston and Iceberg. There are [illegible] other kinds. Why don't we have them?

INSULATION. As a strong argument for good insulation throughout the house we recommend a new pamphlet just published by the United States Department of Commerce: *House Insulation, Its Economics And Application*. The National Committee on Wood Utilization has made a thorough study of the value of home insulation and this booklet gives the results. Actual figures as to costs and very impressive data regarding fuel savings from insulation are presented. The application of practically all varieties of insulating materials to various types of construction is pictured. Obtainable from the Superintendent of Documents, Washington, D. C.

GARDEN BEQUEST. Has any modern flower-lover followed the example of Theophrastus, the early Greek botanist, in asking to be buried in his garden? Aristotle gave his Botanic Garden at Athens to Theophrastus, who improved it with the help of a wealthy friend, finally bequeathed it to trustees, and desired to be buried in it. He no doubt cultivated in it the exotic plants with which he shows familiarity.

ISLANDS. Recently we visited an island—the happy property of one small family—which seemed to combine in an enviable manner the desiderata of privacy and sociability, of comfort and simplicity. It was a tiny island, but it was a world in miniature, with a big house for luxurious living, a small house for guests or for the family when they felt like being rustic, a bit of beach, a bit of formal terrace, a bit of garden, a bit of virgin woods. Many a home owner might well look critically at his own domain to ascertain whether or not it has these island characteristics, for it is possible to endow a home, even though it be enclosed by a wall rather than by water, with those ingredients which make life there almost self-sufficient.

MEETING THE PHOTOGRAPHERS. Evidently the way to become a superb photographer is to invest twenty years of your youth and early manhood studying art under great masters. Then throw your palette out the studio window and buy a camera. That was the way two of House & Garden's best photographers arrived at supremacy—George Harting and Martinus Andersen. Anton Bruehl was a pupil of Clarence White.

BEAUTY FOR THE UNEMPLOYED. It is to be hoped that, when spring comes, some of those workers who are being aided by unemployment committees will be used in creating beauty for our towns. We are apt to think that useful building or road making is the only work to give them. Why not set them to planting the roadsides? To improving [illegible] the dozen-and-one other ways of bettering the appearances of our small towns and cities?



George W. Harting

A modern scheme dramatic in contrasts

The dining room in the New York apartment of Mrs. John R. Hearst features delicate balustrades painted in black on white walls; white satin curtains edged in gold; white asbestos floor inlaid with black—contrasts indeed, and immensely effective. The table has a black glass top. Miss Shotter, Inc., decorators

Black and white decoration reflects the new tempo

By Margaret McElroy



IN THESE crowded times, with countless appeals to mind and senses clamoring for attention in swift succession, the effect which seeks to make an impression must be quick about it. Simplification, contrast, directness are the order of the day. Life goes too fast for subtlety, and in decoration, as in everything else, the newest room is the one which can be grasped at a glance.

This directness, frankness, even brutality in some extreme cases, pervades every form of artistic expression. Gone is the merely pretty effect, the gentle, the suave. You may not visualize a snow-covered hillside, a flower arrangement or a woman combing her hair in just the same terms of line and color as does your modern painter; you may even quarrel bitterly with his interpretation. But the fact remains that his picture arrests you. So with music. Does this or that modern composition lack tonality; are there disharmonies that set your teeth on edge? Perhaps so; but the chances are more than even that you will not be lulled to slumber. On the contrary, whether you like or dislike the orchestra's contemporary outpouring, you will follow with rapt attention, or rage, to the end.

A most significant manifestation of this tendency toward short cuts is the rise into favor of black and white as a scheme for decoration. And it is admirably adapted to the times, for it rivets attention in a flash; its dramatic effect is sensed at a glance. Withal, it is immensely smart by virtue of sheer simplicity.

Black and white as a decorative theme is in tune with the times for the further reason that the most casual study of modern rooms reveals the vogue of hard, glittering surfaces. Metal, glass, marble and mirrors, the new bakelite compositions, gleam in all the new interiors; while fabrics—satin, leather, mohair, permatex, fabrikoid, the Fortuny textiles printed in silver and gold, and the new aluminum metal mesh like a knight's coat of mail—further emphasize this interest in severe surfaces. And nowhere is black and white in combination so exciting as when used as a color scheme in these shining materials.

While rooms entirely in black and white are stirring and new, this combination can also be used with bits of color as relief. For instance, in an octagonal hall paneled in black mirrors topped by a black and white frieze, black Empire furniture covered in emerald green satin makes arresting and vivid notes against the dark glass. Gold and yellow are lovely with this scheme, as is vivid dark blue. In introducing color, be sure that it is brilliant. Black and white settings are no places for anaemic tints.

Outstanding among the new black and white interiors is the modern dining room shown above and on the opposite page. Here gold in curtain trimming and wall decoration is the only contrasting note. Walls so shiny white that they resemble lacquer are decorated with a painted dado of a delicate iron balustrade in black with touches of gold. The white table and sideboard have black glass tops, and the white chairs of Directoire inspiration are covered in white leather. White satin curtains sparkle with gold fringe which picks up the gold notes in the dado. A further striking note here is the white asbestos floor that is inlaid with a design of large black diamonds.

Three other exciting black and white schemes appear on the following pages. A dressing room is given great distinction by its background of black and gold marbleized paper dado and white wall paper latticed in black and gold. The dressing table is black and crystal; white shades trimmed in crystal drops are on the black and crystal lamps. The bench is black and gold with a white leather cushion.

Scoff as you may, the little breakfast room on this same page is entirely cheerful in spite of its walls in black and white marbleized paper. The black chairs have cushions in zebra cloth and the table (not shown in the photograph) is black with a white marbleized top. After you have recovered from the sophistication of the trailing white curtains held by gold eagles and gold ropes, you will see they are of dotted Swiss with cotton ball fringe. At the opposite end are a black cage holding white cockatoos, a screen made of white shutters, and white flowers in black pots.

The beautiful classic room at the bottom of the next page has white walls ornamented with columns of ebony color ending in white capitals; curtains are of white taffeta with wooden fringe, gilded. Here the gold note is emphasized in decorations on the black furniture, and by two chairs covered in brilliant yellow silk.

Many other striking examples might be given to show the newly risen importance of black and white in decoration. Though it has no quarrel with designs of the past, this virile combination is most at home as part of a modern scheme. Taken in conjunction with severely simple lines and surfaces, it acts as a tonic and gives a snap to one's surroundings that is sorely needed in these indigo times.



The S



George W. Hearn

THREE black and white schemes. (Above) Breakfast room decorated by the Empire Exchange. The dressing room at the left is enlivened by touches of gold. Albert Bartlett, decorator. (Below) Black and white used with telling effect in a room by Elsie Cobb Wilson. Descriptions of these rooms appear on the previous page



Samuel A. Gelb



Dan Dunsea

Sharply defined effects contrive a vivid scheme in the mood of today

WHITE walls with black Greek key [illegible] floor, and black, gray and white doors form the setting of this stimulating entrance hall. [illegible] of white silk trimmed [illegible] braid; furniture is upholstered in white plush and black [illegible]

An American gentleman with taste



COUNTRY-BORN and country-bred, George Washington had little to do with cities and towns except when business or official duties required his presence in them. From the first of his diaries to the last, he stands revealed as the ideal type of country gentleman.

The work on his various plantations was carried forward under his personal supervision, and in this he proved himself an intelligent, hard-working and progressive husbandman. Equally intelligent and interested was he in extending and improving the gardens around Mount Vernon. On his retirement from public office he even laid out a botanic garden and helped underwrite a plant exploring expedition that would bring back from the wilderness herbs and trees hitherto unknown.

Thus as gentleman farmer and garden lover, he established a worthy tradition that those who live in the country might well emulate. That he chose to live this sort of life was the first evidence of his being a man with taste.

IN THE era immediately before and for a time after the Revolutionary War it was customary for cultured gentlemen to take an interest in architecture. Indeed, many of them were so skilled in this art that today they might well pass for professionals. Thomas Jefferson's building efforts are well known and many of his designs still delight those who appreciate splendid architecture. In a lesser measure, but no less intelligently, did Washington practice this art. Under his supervision Mount Vernon was enlarged into the house we now know. He kept carpenters and craftsmen in his employ working on improvements and maintenance. He knew good design when he saw it and he enjoyed the appreciation of good architecture. Without that taste he doubtless would have fallen short of being the thoroughly cultured man his times required of him.

It is rather arresting to realize that a knowledge of farming, of husbandry, gardening and architecture were once held to be essentials for a man of taste. Lacking them, he was considered poorly educated. He may even have been pitied, because he missed the enjoyment of them.

IN A third way did Washington show himself to be a man with taste, and that is by his interest in the furnishing of his various homes. Whether at Mount Vernon, at New York or in Philadelphia, he had a great deal to do with the chairs and tables, the curtains and the accessories of the various rooms. Doubtless Mrs. Washington had just as lively an interest in them, but the fact remains that they are constantly mentioned in his diaries, and it was his hand that penned the inventories of furniture and wrote the letters to his agents in London for the pieces required.

When he brought his bride to Mount Vernon in 1759 some of the furniture was left from its previous tenant, Lawrence Washington, some Mrs. Washington brought along with her, but the majority of it was ordered from London. It was Washington himself who saw to it that the bedspread was of the right size and was accompanied by "fashionable blue or blue and white curtains", that the curtains had papier-mâché cornices covered with cloth, that the bedroom carpets should be Wiltons, that the china candelabra should be "fashionable" and that the busts he ordered should be of heroes to whom he was devoted and exactly the right size. Just before the Revolution when the furniture belonging to Colonel Fairfax at Belvoir was sold at public auction, Washington was among the liveliest and most discerning bidders. Time and again we find evidences of his appreciation of good furniture and decoration, of his knowledge of how furniture should be placed to the best advantage, of his taste for the proper colors, and his insistence on having things that were in style. Whether it be fabrics or porcelain or glass, he evidently had a minute acquaintance with them. In those days no one considered this sort of knowledge and taste beneath the dignity of cultured gentlemen. Nor were they merely products of leisure, for the early fathers of this country who possessed them were invariably busy men.

FROM the foregoing sentences it must not be judged that Washington was in the least what our present generation calls a "stuffed-shirt". So varied were his tastes that he probably was one of the best rounded men of his time and one of the most human. A good huntsman, a lover of the beauty of women, a persistent attender at the theatre and a gamester who took his losses with a smile, he proved himself a very human person indeed. His friends among man came from all walks of life and he was at ease with all kinds of them. He had a sense of humor, too, and he enjoyed the table and the fruits of his vines and of his mash vats. He was probably also master in his own home—he has quite a few words to say about that ironing mangle Mrs. Robert Morris tried to palm off on him in the Philadelphia house, and even if the new yellow hall curtains did cost a little more, he was willing to foot the bill so long as they matched.

While most of us catch a patriotic thrill out of Washington the man of arms, and Washington the statesman, there is an equally pleasant thrill to be had out of Washington the human being and man with taste. However exalted a personage he was to the world outside, he managed to find time to make his dwelling truly his home, to maintain it in good condition, to cultivate his acres so that they produced maximum crops, to keep his cattle in health and his servants hard at work, healthy and happy.

Of such elements was George Washington compounded. And so thoroughly were they mixed in his nature that he still stands out as the first great American gentleman—an enduring example of a man who lived a full life—and enjoyed it.

—RICHARDSON WRIGHT



Harry G. Healy

A tree of China comes to grace the waterside of a Long Island garden

Close by the margin of a formal pool in the [illegible] garden of W. R. Coe, at Oyster Bay, Long Island, a giant and venerable white flowered Wisteria [illegible] to tree form and strengthened by [illegible] its long blossom pendants through the early summer sunshine. Olmsted Brothers, [illegible]



NOT ONLY is this house designed in the style of the Renaissance master, Palladio, but the architectural motif which bears his name is the basis for front and rear façades, and the central features of these, as well. The Cold Spring Harbor home of Oliver Burr Jennings. Mott B. Schmidt and Mogens Tvede were associate architects

THROUGH the arched entrance at the left, the court shown below is reached. A house-depth living room, whose huge proportions can be seen opposite, is entered through a circular entrance hall floored in blue terrazzo. The rear façade, a view of which is given, faces on a grass terrace that stretches to the water's edge



S. H. Gottscho



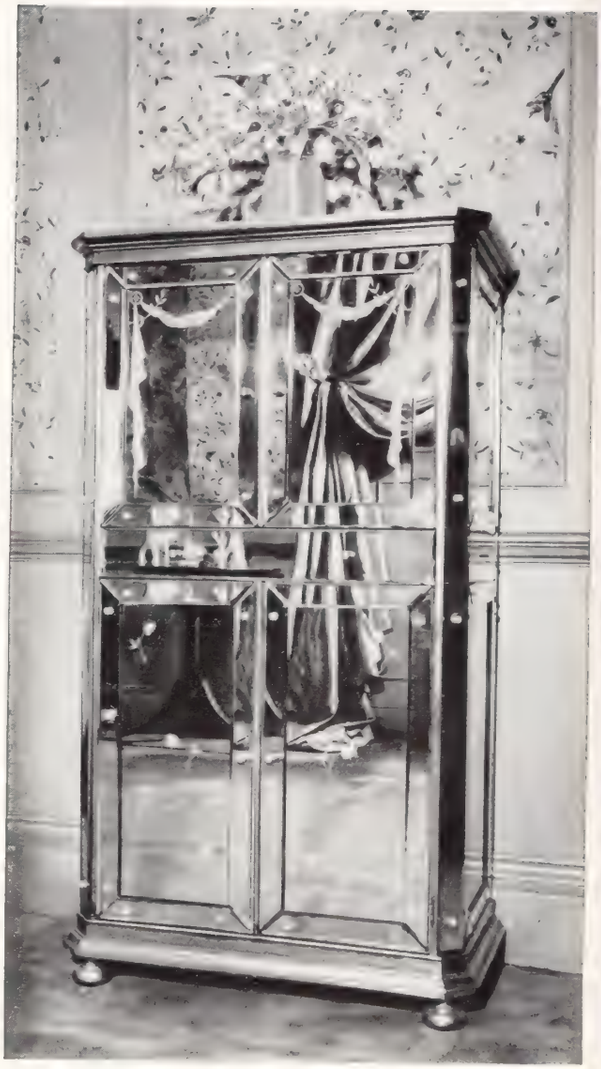




A house of Palladian inspiration

facing upon Long Island waters



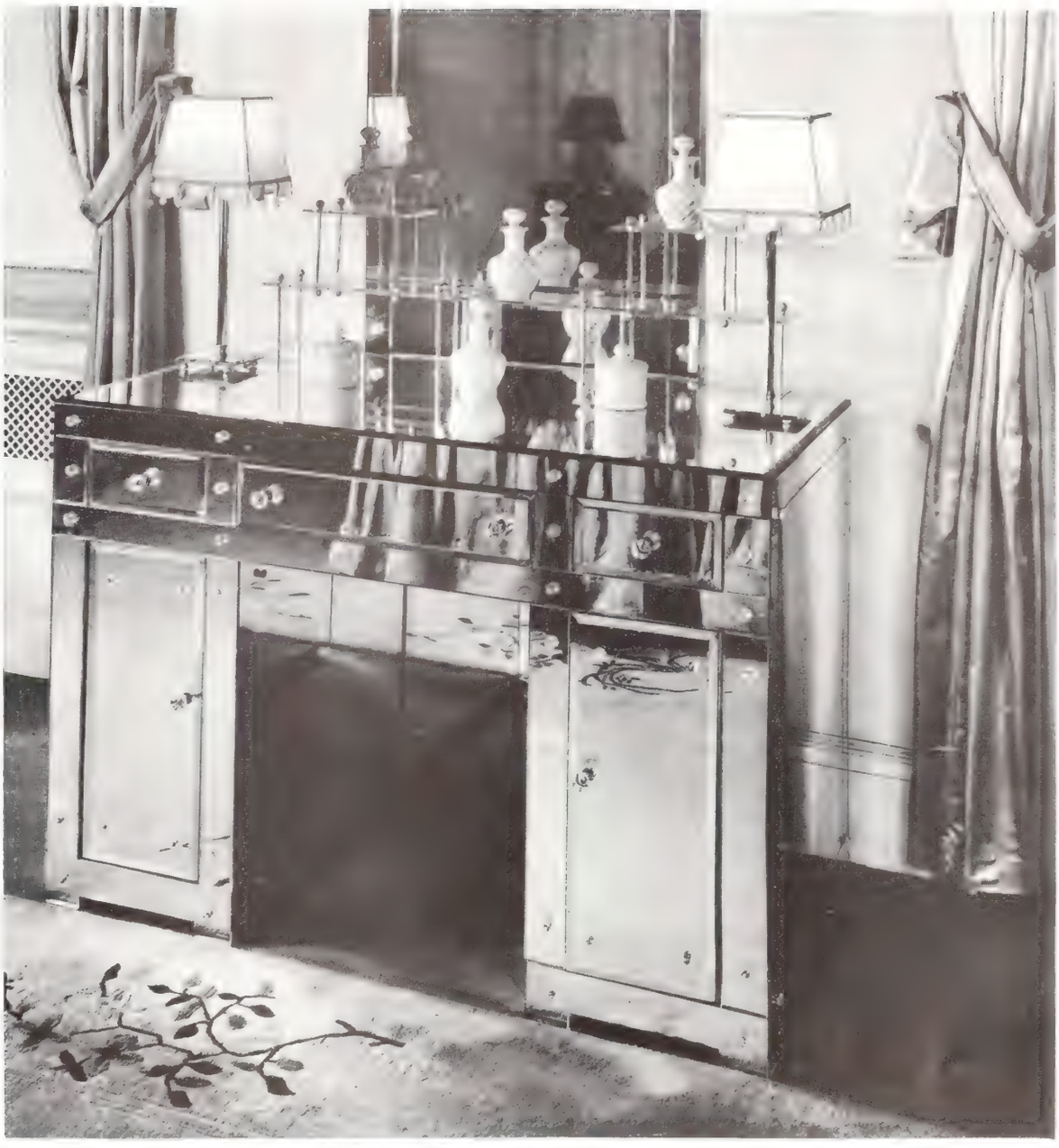


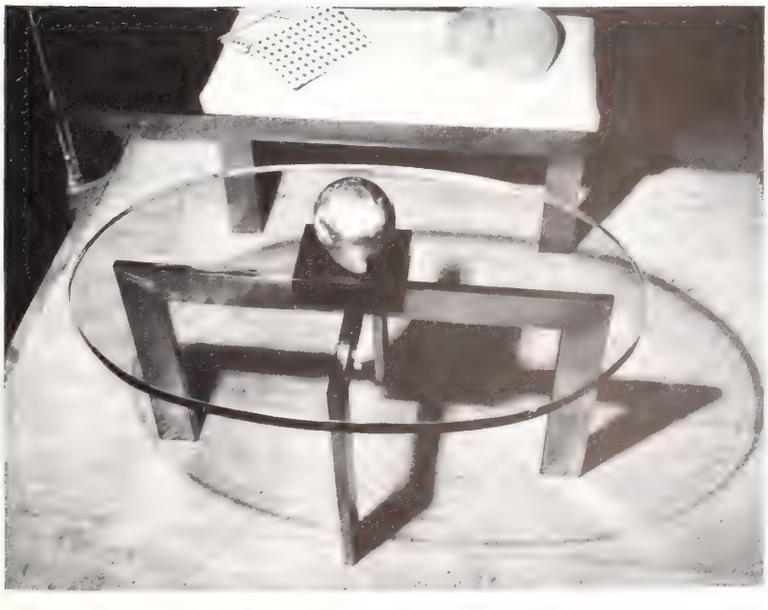


FURNITURE of glass, a glittering [illegible] to modernism, is quite as charming in a period room as in a purely contemporary setting. Above, left. A mirrored writing desk with delicately etched panels that open on concealed springs. The inside is of sycamore wood. It is from Elsie de Wolfe

THE cabinet above is veneered in mirrored glass on which is an etched design of graceful swag drapery. The framework is silvered wood and the inside is fitted with shelves to hold lingerie. A piece of this kind would be exciting in either a modern or period room. The Arden Studios

LEFT. From its mirrored top to the tips of its slender legs, this graceful little dressing table is entirely sheathed in glass. An etched design decorates drawers and tapering legs. The mirror above is framed in sapphire glass ornamented in gold and all the objects are crystal. Jacques Bodart





THIS commodious mirrored dressing table with its simple lines and decorating surfaces stands against silvery blue walls. Beige satin curtains have blue valances in the New York home of Mrs. Thomas V. Dent, Jr. Theodora decorations. Bottles are blue with gold stars. Chez le Bain

ROBERT E. LOCHER designed this smart table for a cocktail room in the New York home of Mrs. J. R. Force. Very much of the moment in its use of metal and glass, it is also extremely practical. The glass top sets on polished brass supports, and there are many gold notes in the room

A coming style is mirrored by furniture that sparkles



How an imaginary character sponsored a decorative mode

SEARCH though you may, you will never find among the master furniture designers the name of Biedermeier. He never existed—instead, he stalked the pages of a German humorous paper in the early 19th Century as the personification of the good-natured, comfort-loving burgher of that time. How natural, then, that as the German adaptations of French Directoire furniture designs developed, they should come to bear the name of this genial myth. In 1928 House & Garden started sponsoring this style, with the result that it is now an important factor in decoration and has recently been taken up by a number of American furniture manufacturers



Two delightful rooms in which "Papa Biedermeier" [illegible] have lived have been faithfully reconstructed by [illegible] Pierre Brissaud. But in these entertaining settings from the past stands furniture very much of the present, for all pieces illustrated are copies of Biedermeier designs recently created by American manufacturers. Characteristics of this furniture are classic lines, light-toned woods with black accents and gilded mounts. The pieces were selected from the Charlotte Furniture Co., Grand Rapids Chair Co., Imperial Furniture Co., Johnson-Handley-Johnson Co., Kensington Mfg. Co., Mueller Furniture Co., and Yeager Furniture Co.

New American furniture adopts the best Biedermeier traditions



E. J. Mason

Patio pot gardens in California and the South · By Robert Lemmon

Of all forms of gardening, that which centers in the patio of the Mediterranean type house in California or the Lower South is the most intimate and distinctive. Here, after all, is horticulture's closest approach to daily life. Literally within the walls of the house itself, an abundance of growing plants can live and grow and have their pleasant being from year's end to year's end.

It is an art in itself, this patio gardening, yet simple enough when approached with realization of its limitations as well as possibilities. There are, for instance, the manifold advantages of an equable climate enhanced by the protection afforded by the surrounding walls. Here are conditions which clearly suggest the introduction of many of those ornamental plants for which the sub-tropics and their fringes are noted. Color there can be in almost unbelievable richness and variety, coupled with a wide range of foliage and form effects. The customarily simple, broad-planed surfaces of the exterior house walls which form the background seem built for the express purpose of being enhanced with the contrast of plant life.

Most patios are flagged or paved in some way, so that space for soil beds is more or less limited. Thus there came about, in the old Spanish homes after which ours of today are patterned, the custom of placing plants in individual containers which could be set at strategic points, shifted around when changes in effect were desired, and replaced with fresh ones when the flowers showed signs of failing. By precedent no less than through the inherent advantages of these considerations the patio garden becomes a sort of movable flower feast and so demonstrates one of its greatest charms. Good specimen plants in well chosen pots, jars or tubs that in themselves are pleasant to look upon are the very foundations of its success, especially when set off with a small pool or fountain.

Of course, there must be wise and regular attention to watering and those other cultural matters which are concomitants of good gardening everywhere. The soil in the containers should be a well drained, rather rich loam in practically every case. Raw ground bone is one of the best materials for increasing the plant food, except for those species which, like the Azaleas, require an acid soil. In such cases cottonseed meal is better as a fertilizing agent.

Due regard for the strength of the southern sun and the relative coolness of the shadows becomes instinctive after a while, but at first these factors should be rather closely studied in their relation to the plants' welfare. At the outset it will be evident that certain types are best suited to sun or shade, as the case may be. Where such preferences are not known, a little study and experimental shifting of the pots will determine them.

Extensive lists of plants suitable for pot gardening in the patio could be compiled, but it will be well to remember that one of the secrets of charm in this type of planting is not to use too much material. A comparatively small number of carefully selected, well grown and thoughtfully placed plants is far more effective than twice as many of mediocre quality.

Among the first which come to mind are





the Palms, so thoroughly in character with the southern climate and architecture. Among the best of these are the widely known *Trachycarpus excelsa*, with finely cut fan leaves and the ruggedness to stand considerable neglect. *Rhapis flabelliformis*, too, makes a fine specimen up to four feet in height, suggestive of Bamboo in the manner of its growth. And of course the rich, dark green of *Phoenix roebelinii* can hardly be dispensed with when there is space for a Palm that ultimately may grow ten feet high.

Another indispensable group consists of plants whose foliage and fruit are notably attractive, as represented by the Kumquat, Otaheite and the incomparable *Ardisia crispa* with its clusters of bright red fruits and shining green leaves. These are of woody character and should be treated as miniature trees or shrubs. For foliage display pure and simple, in the shade, there is nothing quite like the Ferns—the Leather, Boston and Holly forms, especially. Aspidistras, too, with either plain or variegated leaves, to say nothing of the delightfully (Continued on page 76)





Anton Bruehl

THE little tambour desk, above, is made of mahogany with fine inlay. From the Charak Company. The dogs, figures and vase are modern copies from Wm. H. Plummer. (Below.) Black bakelite, black glass and chromium handles compose this modern desk by Robert Locher. The pad is leather and brass; paper weight and blotter are glass. Ink well and book ends from Nessen Studio





TOP, LEFT. A rare 18th Century table has a unique desk tray with feet that fit into holes in the table. It is lacquer red inside. The table is painted a sea blue and has a brown leather top. From Syrie Maugham. (Above.) Splendid for a man is this European walnut desk with its simple inlay and fine workmanship. From the Erskine Danforth Co. The sterling silver desk set and clock calendar make appropriate fittings. From Black, Starr & Frost-Gorham, Inc.

Six desks that go with six different interesting rooms

RIGHT. The small Early American mahogany secretary desk has the simple delicate lines that made this period so popular. The cabinet above makes an attractive place for ornaments or books. The Kittinger Company. Here the pair of lambs and the china houses are modern Staffordshire. They, and the white Venetian glass vase come from William H. Plummer. The writing set is in red leather with gold tooling. From Saks-Fifth Avenue



Antoa. Bruehl



IN THE picture at the left is a graceful example of a French provincial Directoire desk made of inlaid walnut. This type is ideal to use in a small living-room or bedroom as it takes up very little space and, in addition, provides an unusual number of conveniences. The top folds back and underneath are three deep drawers. In the upper portion are two small drawers to hold letter paper

THE DOORS of the cabinet in the upper section of this desk are fitted with fine gilt wire grills that make a delicate cage for the little Chinese figurines and the collection of small decorative leather bound books. Here the desk is charmingly placed in a provincial setting which effectively combines paneling and old French wall paper. The desk and all the accessories are from Brunovan, Inc.

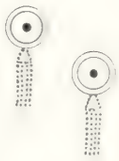


5. The table may have a bronze statuette, or it can be equipped for letter-writing
6. Following an English custom, the table is entirely covered—legs and all—with wool damask, and a matching fringe goes around the apron. From Schumacher
7. The slats of the Venetian blinds are painted in light blue gray and have white straps. The Western Venetian Blind Company
8. Curtains are cream glazed chintz draped into a valance and caught by tie-backs
9. Tie-backs are of white glass with a beaded glass tassel. From the Chintz and Box Shop

The French boudoir serves the same purpose as the English country house morning room—an intimate place from which the household is run and to which a few friends are admitted. America has evolved a cross between the two: a dressing room so equipped that it can be an upstairs sitting room, household office and boudoir combined. Its furnishing includes a workable table or flat desk, comfortable chairs, a couch or chaise longue and it may even provide a sunny window for potted plants

The walls are usually paneled on two sides by the doors of dress closets and hat and shoe cupboards. To the window belongs the table and on the opposite side the large mirror and dressing tables

1. Paint the walls tobacco brown with a dull finish. This is one of the newest wall colors. The baseboard and windows should be painted light beige
2. A double twisted white cotton cable cord, from Lord & Taylor, is used as trimming throughout. From it can be hung pictures and, as shown on the opposite page, it makes a decorative molding around the large mirror
3. Since photography has become so decorative we suggest using two framed New York skyscraper views either side of the window. These were chosen from the Julian Levy Galleries
4. Two 19th Century caned chairs, from the Empire Exchange, flank the table. They have cushions in white Permatex





Nineteen suggestions for a smart dressing room are brought together in an interior by Christoph Castou

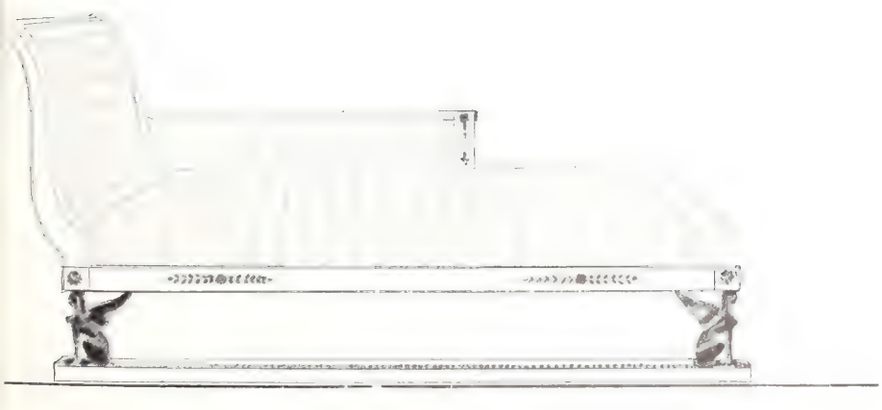
10. The seamless carpet is marine blue. Before window and mirror are squares of gold colored carpeting. From Collins & Aikman.
11. Thanks to the modernist the Rubber Plant family has climbed back into popularity. From this source Alex Seabrook selects Ficus pandurata as being best here.
12. One side is dominated by a large mirror that will afford sufficient reflection for the most fastidious.
13. Space for towels on one side and for extra toilet articles on the other is given by recessed closets with flush mirror doors and brass handles.





A round of the shops brings a melange of ideas adapted to a definite decorating problem

14. The light over the mirror is concealed behind a valance and is [illegible] metal and painted white.
15. The dressing chair is a boudoir, from the Empire Exchange.
16. From the same source were selected two early 19th Century commodes and wire grilled doors.
17. Lighting fixtures are Empire style brackets finished in white and gold and selected from Cassidy & Co.
18. The chaise longue, from Empire [illegible]. Suggested covering for the chaise longue is a necktie-stripe pattern faille, [illegible].





Anton Bruehl

DINING TABLE

LEFT. Silver, the sheen of mirrors, and deep blue is the scheme of this setting, suggesting a midnight sky. The filet cloth is cream and blue; modern mirrored plates, silver in Cactus design and sapphire glass. Tall compotes hold grapes, and a silver bow forms the centerpiece

COCKTAIL TABLE

THE table below is full of ideas. A modern aquarium with brilliant fish is a gay note of decoration which is repeated in the fish cocktail glasses. Napkins with embroidered ships add further nautical notes. The tree painted on the wall is hung with pottery fruit, flowers and birds

BREAKFAST TABLE

OPPOSITE. Breakfast is worth getting up for at this brilliant table sparkling with modern white Quimper plates, white flowers and white compotes filled with oranges, tangerines and kumquats for vivid color notes. Table arrangements are by the Arden Studios

Dining and cocktail tables that suggest leisure hours spent under southern skies





Anton Brueh

Invitation to breakfast in the sun

Victorian chintzes that suit to-day's revival

By Paul Harness

NOW THAT the Victorian taste in furniture is well on its way to a revival, it would seem that a widespread revival of the fine old Victorian chintzes is almost inescapable.

It would be absurd to fancy that this means just one sort of chintz. Far from it. According to Arthur Wilcock, England's greatest living chintz designer, there were four distinct changes in chintz styles during Victoria's reign, each of which covered miles of cotton cloth to drape and upholster the homes of English-speaking peoples on both sides of the water.

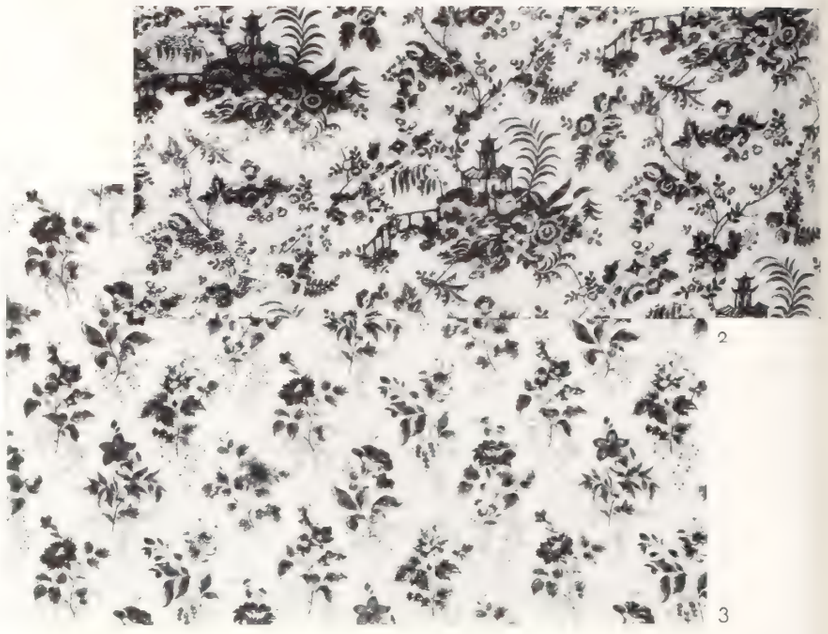
Mr. Wilcock's own definition of chintz is "a particular, carefully drawn, well designed thing on any good quality of cotton. It must be a percale cloth, that is, a fine smooth quality, and must be hand printed. Real chintz is hand blocked, having that hit-and-miss effect which is typical; generally in brightly colored and rather contrasting tones, never the pastel type. A 'true chintz,' in the trade, is glazed."

In the early Victorian period, from 1837 to 1851, the print works of Swainson & Dennys turned out those fine old madder prints which were still dominated by Oriental influences from India, Persia, and China. India predominated, for Mother India was the mother of *chint*—or chintz—and of the madder print—a complicated process of dyeing which produced the madder red. After a hundred years of wear and washing these reds still remain luminous and gorgeous on the rare scraps we occasionally find to-day.

Five colors were the usual number used in the patterns: madder red prominent, the yellow of the Persian berry which is so fugitive that it has faded out of the old greens and left them mere blue, black and brown made from iron, and indigo blue often painted into the pattern by hand after the block printing was finished. The greens were superimposed, yellow printed over blue, occasionally blue over yellow. The mauve was gotten by diluting the blue and red in combination, and from these the designer colored up his pattern with unbelievable gaiety and charm.



1



2

3

A DELIGHTFUL Indian type chintz is No. 1, dating from 1837-51. No. 2 is from Lancashire though the inspiration is Chinese. No. 3, of the same period, shows French and Indian influence. These represent the Early Victorian period

Then came "The Great Exhibition" held in London in 1851, when England became suddenly humiliated by her deficiency in the industrial arts. Cabinetmakers had not forgotten to do a good job, but Bill would look at Harry and say: "Now the job's finished, where'll we put the hornament?" And the "hornament" was stuck on anywhere fancy dictated. England became concerned about this ornament and schools of Art and museums sprung up all over the country to teach aspiring artists how to produce better ornament. There was nothing wrong with the actual ornament the young art students learned to make except that it was impractical to produce. Though these were the days of Louis Napoleon in France, Frenchmen were still putting tender bouquets of flowers on almost everything. England thought well of flowers too, so well in fact that tubs of garden flowers were sent to the Art Schools every morning so the students could get their models direct from nature.

Many lovely floral designs were sent to the Swainson print works, lovely but absolutely impractical. There happened to be at the works some brothers by the name of Stinton, who were practical designers, and to these brothers rather than to the Art Schools we owe the splendid performances of the second Victorian period, 1851 to 1872, which we shall call the Swainson School, with its joyful homelike quality unsurpassed in any period.

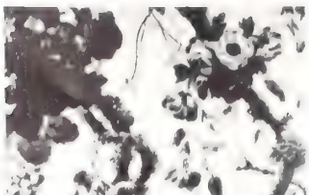
Analine dyes had been introduced so that more colors were practical. If women wanted flowers on their chintzes the Swainson works certainly gave them flowers, and the Stintons incorporated garden flowers wholesale in their patterns. Into the London market come nightly 6,000,000 blossoms for the florist trade, 100 tons to the Covent Garden market alone, to fade, alas, all too soon. But from the Swainson print works went out acre after acre of everlastings that are still gorgeously blooming on many an old chintz.

In the Alhambra, Spain's loveliest palace, is inscribed, "I am the garden which shows fresh ornament every day." The English garden provided the Swainson works with endless ornament. There is nothing depressing about this Swainson School of design. There is no subtlety, no insinuation, or suggestiveness about these chintzes. They are as joyful and



4

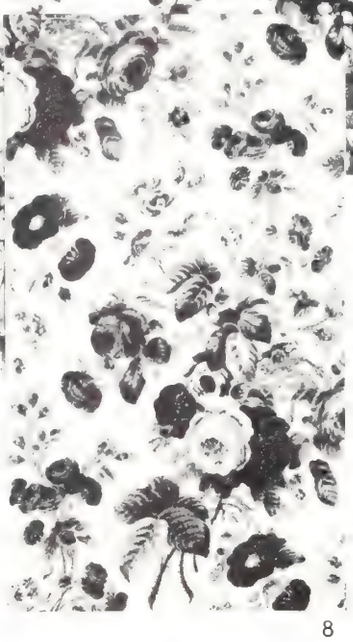
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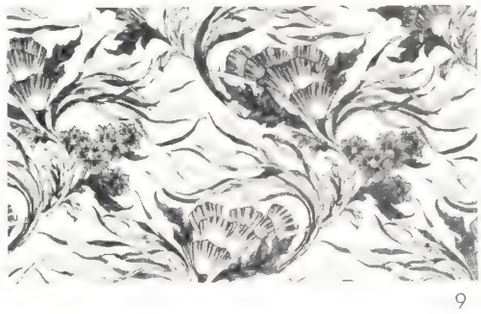
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7



8



9

A STINTON print of the period 1851-72 is No. 4. No. 5 dates from 1872-86. No. 6 is of the Swainson School. No. 7 is an English print inspired by French taste, while No. 8 was designed by a Frenchman and printed in England

homelike as an old garden. What the Stinton Brothers did not actually do themselves they must have had a hand in doing, and a bold hand at that. Impractical sketches made by art students were sent to the Swainson works, their realism tempered there by redrawing, their arrangement made possible for repetition on cloth, and the whole conception made practical for printing by those gifted Stinton Brothers. The demand of the day was mainly for tree designs of branches and stem work bursting into bloom, and these designs bear the unmistakable stamp of the Stintons.

Just as a child's handwriting is perfectly legible and encompasses all the letters of the alphabet but is childish, unformed, and lacks style, so will a chintz pattern show to you—if you learn to recognize the handwriting of the artist the same unsure and untutored lines and formation, or it will have that dash and style, that bold affirmative character of the designs of the Stintons. The Stinton handwriting, as the designer speaks of their work, is unmistakable. What a delight to have one of their chintzes at your window or on an ample sofa that shows a brave spread of surface to do the pattern justice.

In the third Victorian period, 1872 to 1896, there was a marked revival of old chintzes, sponsored largely by the London decorator, Miss Frith, daughter of the popular painter. Concurrently with this revival of Georgian chintzes came William Morris with his theory that ornament should be flat—a mere surface effect without shadow or depth. Morris' influence on the textiles of this period was little more than the ripple of a pebble thrown into a pond, while the great stream of Victorian chintzes flowed across the table of the hand-block printer and ran by the mile out of the machines which now were sending forth new, and ever new, arrangements of garden flowers to gladden the abodes of men.

The actual figures are rather appalling. We have calculated that Arthur Wilcock alone, whose designs began to appear at this time, has been responsible for considerably more than 100,000 miles of machine-printed cretonnes—the poor cousins of the hand-printed chintz. A successful design will print and sell about 112 miles a year, and Mr. Wilcock (*Continued on page* 72)



10

11

ALTHOUGH "Waving Corn and Poppies," No. 9, was given a prize by William Morris and Walter Crane, it never sold a yard—the movement is too violent. The other two, also by Arthur Wilcock, are examples of what the French called "Le Style Anglais"

When letters become an enjoyable art

THE habit of writing personal letters is evidently coming in again as one of the polite domestic accomplishments. A slower tempo of living now allows us actually to enjoy correspondence. While we may never see such a revival of letters as that which marked the 18th Century, there are indications that men as well as women are finding a sense of tranquillity and a pleasant avenue of self-expression when they take their pens in hand. The hints of this revival are discernable in the return to prominence of the desk and its articles of equipment and in the amenities of modern stationery.

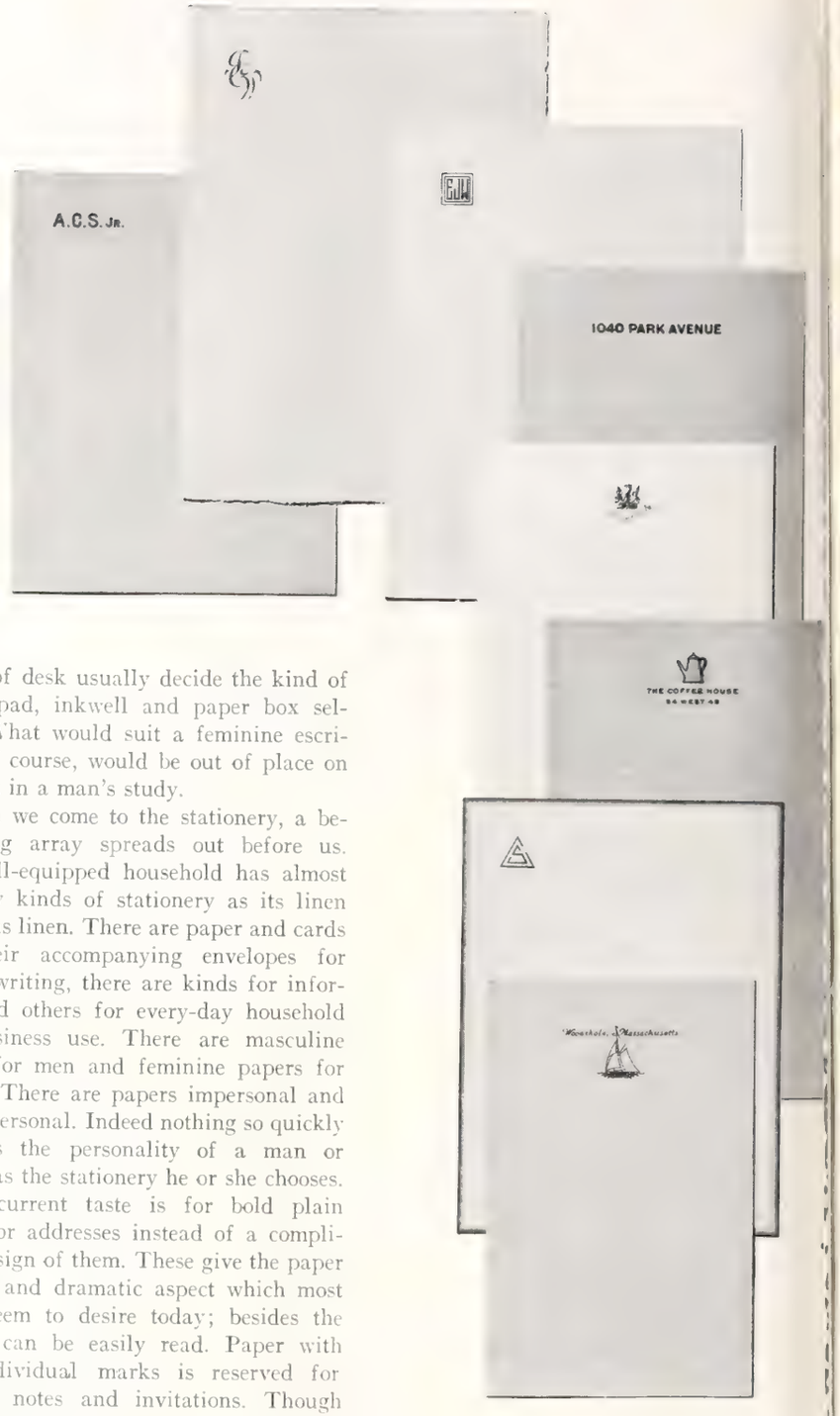
Whether placed in the living room, the library, the study or the boudoir, the desk has always been considered a necessary piece of furniture. By using it more often and equipping it more generously, we can now make it one of the most enjoyable. It can be a retreat, a calm pool or a busy center of household life, according to one's duties and moods. That the desk may be chosen to fit many types of rooms is indicated by the six kinds pictured on pages 42 and 43. Their equipment also is suggested. The room and the type and period of desk usually decide the kind of blotter pad, inkwell and paper box selected. What would suit a feminine escritoire, of course, would be out of place on the desk in a man's study.

When we come to the stationery, a bewildering array spreads out before us. The well-equipped household has almost as many kinds of stationery as its linen closet has linen. There are paper and cards and their accompanying envelopes for formal writing, there are kinds for informal, and others for every-day household and business use. There are masculine papers for men and feminine papers for women. There are papers impersonal and papers personal. Indeed nothing so quickly indicates the personality of a man or woman as the stationery he or she chooses.

The current taste is for bold plain initials or addresses instead of a complicated design of them. These give the paper a direct and dramatic aspect which most of us seem to desire today; besides the address can be easily read. Paper with very individual marks is reserved for personal notes and invitations. Though one's taste may not run to them, bordered papers still find popular acceptance. Since so many women use a typewriter for their charity and club correspondence, the single sheet with a plain name and address at the top is always a requisite. Equally necessary is the country house paper with its railway station, post office and telegraph addresses.

Though it is noticeable that men and women of taste are selecting the cooler colored and more modestly figured kinds of paper, one color persists—blue, the blue of Englishmen's shirts! Innocuous grays and greens come in as close seconds, with plain white as a safe favorite.





FROM top down: A man's dark blue initials on gray-green. A woman's in blue on light blue. A deep blue monogram on white. A town address in blue on blue. A gray crest on white for formal use. A club's dark blue on green. A girl's blue monogram with narrow blue and gray lines. A gray boat on gray for the seaside. Opposite: lacquer red on pale gray for town and dark and light blue for a woman. Papers are from Crane; Hurd; Linweave; Cartier; Black, Starr & Frost-Gorham and Engravers' Association



Nelson & Lincoln

Pale pink and misty blue merge in a feminine setting for beauty

THE decorative columns painted on the blue walls of this bath-dressing room in Mr. Charles V. Hickox's New York apartment were taken from the design of the bedroom rug shown on page [illegible]. Charming color contrasts with this background are the pink glass dressing table and a chair in pink [illegible] cade. Diane Tate and Marian Hall were the decorators





Venice and France in a New York home

PALE BLUE Louis XV boiserie picked out in gold inspired this bedroom scheme in the New York apartment of Mr. Charles V. Hickox. Yellow curtains, blue and yellow bedspread and Bessarabian rug in dark green, blues and yellows are charming here. The bath has blue walls with marbleized pink niches

Opposite are a Venetian dining room and foyer in the same apartment. Hall decorations of slender trees and ruins in brown chalk on pink are by James Reynolds

The soft glitter of the dining room, with walls in gray, silver and gold Fortuny cloth, is heightened by gold Venetian chairs and gold and gray antique mantel. Silvery gray curtains and gray terrazzo floor. Diane Tate and Marian Hall, decorators





Nichols & Lincoln





FACING the stair from the lower to the upper hall in the home of Walter J. Seligman is a view of Manhattan Island. Lindbergh is depicted in his ocean flight on one wall and, again, about to alight at Le Bourget. Admiral Byrd's encampment in the Antarctic is another subject. Aircraft of every period in the history of aviation are accurately represented somewhere on walls or ceiling. Stanley J. Rowland, artist; Howard & Frenaye, architects



Dean Dunyea



Famous flights recorded on a silver sky make brilliant murals in a New York foyer

What's new in building and equipment

These recent developments will interest home owners and builders · By Gayne T. K. Norton

ELECTRIC HEATING UNIT. Mild winter climates where low electric power rates are in force justify complete house heating with a new type of heating equipment. In northern states it is particularly practicable for summer and week-end houses.

A click of a switch starts a gentle flow of clean, warm air, quickly distributed by a silent fan to all parts of the room. The heating element consists of coils of wire, enclosed in a jacket open at the top and bottom to promote natural circulation. Coil operates at black heat only, and can never become red hot. It is safeguarded by a device to break the current should the coil accidentally over-heat. One is hardly conscious of the operation of the quiet fan; the motor, of the induction type to eliminate radio interference, consumes less current than an ordinary electric light bulb. Fan is fully enclosed and guarded against the prying fingers of little children.

Each unit in the house operates independently, and thermostat control may be utilized to automatically maintain any temperature preferred by the occupant of the room. Complete installation cost compares favorably with other heating systems.

The unit, an approved device of the National Board of Fire Underwriters, is manufactured by the Hoffman Specialty Co., Inc., in two models, a table or stool type and a wall style. In the first, manufactured in four sizes, a fan pulls air through the heating zone, blowing it against the table top, where it is diverted in a horizontal plane. This brings into operation the principle of circulation and recirculation of warm air. The wall type comes in three styles: built-in, attached to the wall, or portable. The first is installed directly in the wall, its frame fitting flush, while a grille extends two inches into the room; the second is attached to the wall by brackets; the third stands on legs.

RADICAL DEPARTURE IN LIGHTING FIXTURE DESIGN. A reading lamp and general purpose lighting fixture has been designed with a triple shade principle which makes possible the soft, even illumination of indirect lighting without consequent high loss of light due to absorption. The fixture consists of three shades placed concentrically one above the other. Reflectors, made of opal, frosted and colored glass, and of lacquered or silver-plated metal, are very easily cleaned.

Light emanates from a metal filament, gas filled bulb placed in the center of the combination. Surfaces of reflectors are so arranged that useful light, normally absorbed in passing through translucent shades, is not wasted. Scientific and mathematically correct construction of the shades according to logarithmic spirals places reflector surfaces toward the source of illumination at an angle of less than 45 degrees with the rays of light. Direct rays strike dull bottom surfaces turned downward, throwing diffused light onto the bright top surface of the shade below, resulting in a main volume of glareless light, concentrated downward toward the reading surface. Shades prevent the intense light of the filament from being visible to the naked eye.

When this light is used, there is a noticeable absence of eye straining glare and shadows, with no loss of light through obstruction. Increased utilization of light and economy in current consumption are claimed by the P. H. Lamp Corporation, which manufactures this fixture.

ASHLAR WALL FACING. A stone house is now within the reach of thousands whose dreams may never have extended beyond brick. Golden tone ashlar wall facing, quarried by the Briar Hill Stone Co. in the hills of northern Ohio, is a radiant sandstone, blending a symphony of autumnal hues with the enduring grandeur of virgin stone. Through use of this colorful ashlar, architectural distinction is multiplied and enhanced.

With nation-wide popularity sponsoring distribution, and ultra modern quarrying facilities reducing production costs, this type of ashlar is now obtainable at prices but little higher than face brick. The additional cost of thus facing an exterior wall is a small percentage of the total investment, a slight difference that is more than justified by the increased re-sale value, elimination of periodic repairs and costly maintenance. Lasting pride and satisfaction of ownership comes to those who build in beauty for the future.

Split-face, shot-sawed face and sand-sawed face are methods of quarrying which add a fine range of surface textures to the delightful color combinations. For the average home it may be four inches thick, in convenient random lengths, and in course heights ranging from two to ten inches. The percentage of the various heights is so calculated that the random coursed ashlar wall may be erected rapidly and to best advantage.

The stone is practically ready to set when it is delivered upon the job, the only cutting required being the breaking of stones to length, which the mason does quickly and easily. There is no pre-determined pattern that is to be followed, necessitating that every stone be cut to an exact size and numbered for a particular place in the wall.

Comparing the speed of setting ashlar with the time that is required for rubble stone, where no attempt is made to keep horizontal beds under stones, there is advantage in favor of this material; if rubble is cut by hand for horizontal beds, the economy of ashlar becomes greater still. There is little waste stone, as the backing may be brick, hollow tile, concrete blocks, or even a frame wall. Ordinary portland cement mortar is all that is required for the setting of this ashlar.

NEW SHOWER HEAD AND NEW SINK FITTING. Relief for people annoyed by stopped up shower heads is promised in a type now on the market which may be installed on new work or in an existing shower in a few minutes' time. This unit keeps the shower from spraying water at disconcerting angles or ceasing to spray water at all, because of sediment accumulation in the holes of the shower head. Where the old fashioned type, under such conditions, would have to be taken apart and cleaned, this new one is equipped with a self-cleaning device, wherein six tapered plungers, each with eight tapered slots, are operated by a lever on the side. Extending these plungers full length flushes the head of all pipe scale and sediment, saving labor and cost involved in cleaning out holes.

As the plungers are moved in and out through the face of the head they form long tapered holes, and allow the bather any shower force and volume desired. At a turn of the lever the stream may be adjusted from a blood quickening, stinging needle (Continued on page 70)

Edsel Ford selects a Cotswold house

By George H. Allen



WE LIKE to think that huge fortunes, founded on real estate or the possession of natural resources such as coal mines or petroleum wells, are an initiatory expression of American ingenuity. And we have been led to believe generally that the homes of those who have accumulated great wealth, being founded on a success complex, were designed very consciously and elaborately as the outward and visible manifestation of an inward realization of prosperity—that they are used as a means of expressing one's self on a very grand scale indeed.

Whether these fortress-like homes are livable or not, remains a moot question. Certainly they can hardly be called the expression of the owners' inherent tastes, but rather the desire of building really enormous palaces (for no other word describes them adequately) as a background for the position which their possessors now occupy in the world. After all, the success of any home, whether it be Georgian, Elizabethan, Tudor or even Romanesque, depends not only on its architectural excellence and its relation to its physical background, but, much more important, upon the psychological reaction on the person for whom it was constructed.

When Edsel Ford finally decided to build his residence, he had firmly determined upon two things: That he wanted a modest and picturesque home—not a palace—and that its architecture was to be similar to the delightful old rambling Cotswold houses over in England. Mr. Ford and his wife had always been interested in those old cottages which dot the waysides of the Broadway country of Worcestershire and had taken many trips there together, observing the architecture as they went. They were delighted with this section, where small manors crown each hill and the winding roads boast of inns built 'round their cookstoves, exuding the earthy simpleness of their home life.

So the Fords armed themselves with large books pertaining to the architecture of this locality, books that you would find only on the shelves of an architectural office, and studied them with the earnestness of young college students. They took notes, compared and made memoranda of those features which appealed to them the most, until both were of the opinion that they knew quite well what they wanted. The selection of an architect, however, would be a delicate matter. Clearly, they needed one who could express their ideas without introducing too much individuality. Fortunately, Mr. Ford decided to go to Albert Kahn, whom he respected for his abilities and who had successfully done work in the past for Henry Ford. He wanted to build a home, said Mr. Ford, not a "palace". Something that had an air of hominess yet would be in a sense formal; something not too large and (*Continued on page* 76)



Thomas Edison



Thomas Ellison

A HOUSE of fairly large size, yet one that had individual character and would be in every respect a home, rather than an austere mansion, dictated the selection of the general style of the Edsel Ford residence at Grosse Pointe Shores, Michigan. Interior treatments also reflect this idea. At the top of the opposite page is the gate lodge. The lower photograph shows the lake-front façade



Hedrich-Blessing

THE living room, above, is at the rear of the house, where it overlooks a grass terrace and the lake. Paneled walls provide a mellow background for well-selected furniture pieces. The morning room also is paneled, but in a simpler fashion. Exterior views below give a further idea of the excellence of the design and the interesting layout of grounds. Albert Kahn, Inc., architects







Georgian simplicity for a New York suburban house

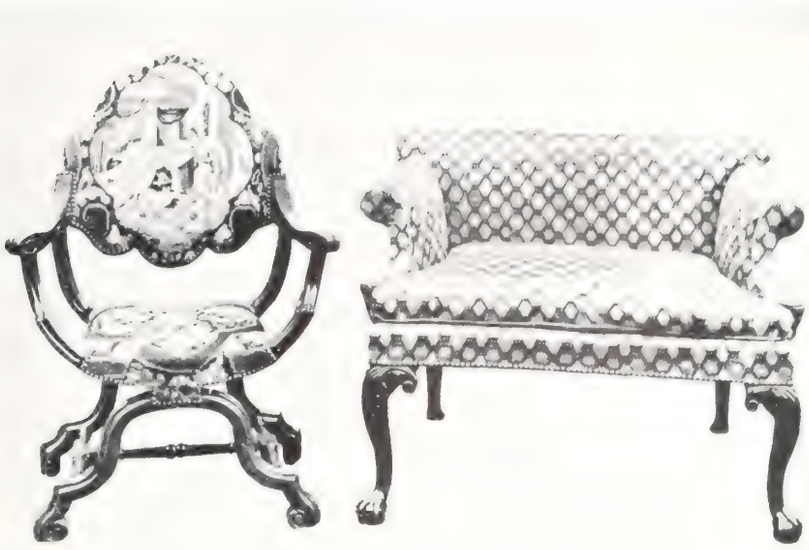
THE Bronxville, New York, residence of J. M. Garvey is an extremely simple version of the Georgian style carried out in whitewashed brick. The plan is based upon a rectangle, with shallow wings at rear and one side. The first floor has a central house-depth stair hall. An additional stairway is located in the service section. A pleasant porch is located off the living room, and grass terraces accented with evergreens surround the house







R. H. Scannell, architect



SCISSORS CHAIR • LOVERS' SEAT

Queer chairs that attract collectors



EARLY GEORGIAN LADDER-BACK

By Edward Wenham

THOSE of us who are regularly concerned with antiques, either as collectors or professionally, know and enjoy that especial lure offered by various quaint and unusual oddities that come within our purview. Many are often intricate contrivances expressive of the skill of a craftsman in evolving an object that might serve more than one purpose. Others exhibit the ingenious if sometimes crude "gadgets" adopted to afford added comfort and usefulness to some one piece of furniture; an ingenuity to be the more admired when we remember that the mechanical equipment of earlier times was considerably more limited than that available nowadays.

It is probable that chairs offer a wider variety of the unusual because it was customary to reserve one particular chair for the master of the house and for the eldest son. And it is easy to imagine a man sitting in the quietude of the evening and evolving some device to add to his personal comfort. And mention of that same custom recalls that the setting apart of one chair (generally the most comfortable) for the sole use of the head of the house is a survival of the original tradition instituted in the Middle Ages, when the "chayre" was occupied by the one in authority.

Our modern word "chairman", to denote the presiding dignitary at a banquet or at a board meeting, is likewise a relic of the time when the lord sat in the "chayre" at table, others being seated on benches and stools; also the term "board" is derived from the same source, the dining table formerly being known as the "borde". The seat occupied by the "chairman" was a throne-like affair with a high carved panel back and arms and a box-shaped base similar to the small dower chest from which it originated. Occasionally the top of the back was fitted with a canopy, but at no time would it meet with our present ideas of comfort.

Most of the uncommon chairs of English origin likely to be met with now were made during and after the reign of Queen Anne. There are other quaint shapes of the previous century but these are far more rare; neither do they exhibit the same ingenuity nor have the same romantic associations as those of the 18th Century. Probably the most interesting type of early individual seat is the somewhat clumsy three leg chair with a shallow triangular shaped seat and a heavy turned frame, the back being formed of turned spindles. These were probably introduced from the Scandinavian countries and were the prototypes of the earliest chairs used by the settlers in America as well as the forerunner of the later Windsor.

One important reason to account for certain unusual chairs was the various forms of wigs and styles of dress. The average chair, as we know it, would be, to say the least, inconvenient for a lady wearing one of the immense hoop skirts fashionable in the days of Queen Elizabeth and known as "farthingale"; hence the large armless seat with a straight uncompromising paneled back spoken of as the "farthingale chair."

Similarly, the seats of many 18th Century chairs were shaped rather like a pear with the narrow part near the back to accommodate the large skirts of the women



COCK-FIGHT SPECTATOR'S CHAIR



CURIOUS 18TH CENTURY ROCKER



TWO COCK-FIGHT CHAIRS • CHAIR FROM OAK LOG • CORNER READING CHAIR



EARLY AMERICAN ARMCHAIR



16TH CENT. HIGH-CHAIR, ITALY

and the long full coats of the men. Many, of the Queen Anne and early Georgian periods, also have a cup-shaped cresting at the top of the back; while this might at first seem to be intended as an ornament, it was really intended to allow the end of the long wig to hang over the back to prevent its being crushed. Frequently, the plain backs have a quite deep cup shape cut from the top and it was from this that the shaped cresting was derived.

More than one American home now possesses a commodious armchair with a slide-out stool which affords considerable comfort as a foot rest. The tradition of this combined chair and stool or "gouty" chair, as it was called, is probably forgotten. But in the days when the Georgian gallants "drank through the night till rise of sun and sank to slumber one by one" the morning after generally brought an attack of gout. And this writer can recall the irascibility of more than one English squire reclining helpless in a "gouty" chair. Those same old sportsmen would also own at least one type of exercising chair, by which they sought to reduce their avoirdupois and to "keep in training" for the nightly revelries. One such chair, generally known as the "horse" chair, was fitted with strong springs and in bad weather, this replaced the cross-country rides on horseback.

Some of the so-called reading and writing chairs are especially interesting, though it cannot be said that they belong in the category of decorative furniture. For example, many a stout corner chair of the type made by the village carpenter for a farmhouse is a veritable cosy-corner in itself. A square chair-back would be added to the top rail of the horseshoe as a headrest; a candle-bracket supported by a screw socket fitted into a hole bored through the end of one of the arms; and a similar socket with an adjustable reading lectern fitted to the other arm. Thus, we assume, was evolved the chair shown in the upper right hand corner.

Occasionally, the reading lectern is replaced by a flat piece of wood to serve as a writing desk, this combination being popular in the early Colonial homes. But, as a rule, the American chairs of the horseshoe type are fitted with one wide arm for a writing tablet, from which came their name of tablet-chair, and it was from this same chair that the modern "one-arm lunch" seat was evolved. Many of the tablet-chairs constitute almost a "private office"; the writing surface is raised on a fairly deep frame in which there is a pull-out drawer with a lock for private papers, while under the frame is a smaller drawer for ink-holder, quills, sealing wax and sand-box, the latter being used for casting sand over the ink before the days of blotting paper. Frequently, too, a deep drawer, also with a lock, is placed under the seat and doubtless this was used for the rough account books kept by the early settlers.

It need hardly be said that most of these quaint seats have been and still are found in the more outlying sections both in America and England. Often they are without any great value in the eyes of the present owners and many are relegated to the lofts of the outhouses; for, despite the numerous combings to which the English countryside has been subject, there are still forgotten hamlets in which the shriek of a steam whistle is unknown and to which motor cars come seldom. And in these same quiet eddies, there are ancient inns and posting houses where the diligent seeker after unusual chairs is more likely to be rewarded.

Perhaps, it is an old bacon-chair standing beside the great open fireplace in a stone-flagged tap-room. An unhandsome and none too comfortable seat it may be.



EARLY ARM TABLET CHAIR • [illegible] CHAIR • [illegible]

but it none the less evinces a certain simple charm and a charm which adds much to its surroundings. We have seen these high-back wing-chairs, entirely of wood, with no attempt to introduce comfort by padding the back and sides, in more than one modern American room reproduced in the fashion of bygone generations. And though today it is usual to place a deep cushion in the seat, the chair is otherwise unchanged.

It cannot be said that the bacon-chair has any romantic origin because, as the name implies, it is a relative of the bacon-cupboard; the latter being a shallow cupboard, in which cured sides of bacon were hung, forming the back of a plain box-like seat, with a lift top or with cupboards below, in which the hams were stored. Similar lift tops and occasionally cupboards are found with the wing bacon-chair but in most instances there is a large deep drawer beneath the seat, a convenient place, incidentally, in which to keep pipes and tobacco, and we have known collectors of rare glass and crocks to use this drawer as a storage place for their treasures.

From a romantic point of view, the chairs offering the most attraction are those used at cock-mains. In case the meaning of this old term is ambiguous perhaps we should write "cock-fight," which was a popular, if cruel, sport in England and America until made unlawful in the last century. The birds were specially bred gamecocks. Needle-sharp steel spurs were fastened to each leg and each bird sought to pierce the eye of his opponent for the amusement of the Georgian dilettantes. The destiny of many a famous family has been changed at one of these mains, when the head of the house has wagered the entire estate upon the ability of one cock to kill another; or if such plunges were perhaps less frequent, many a gallant has seen his patrimony gradually pass away as he consistently failed to select the winning bird.

There are various forms of the cock-main chair but each has a similar padded horseshoe shape top to the back and a deep padded seat which narrows toward the back in the same way as the wig-chairs. The purpose for this with the cock-main seat was quite different, the practice being to sit astride with the elbows resting on the padded top. Those for the spectators, who, it need hardly be said, were all men, generally had only the plain padded armrests, and it can truly be remarked that as seats they are much to be preferred to those serried rows of planks with which our modern stadiums are mostly equipped.

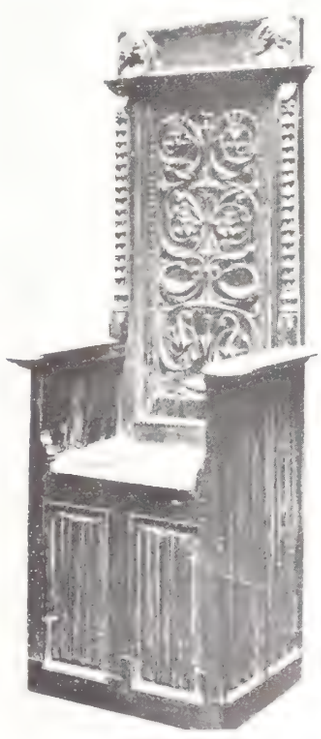
Other cock-main chairs were equipped for the convenience of the Georgian bookmakers in recording their numerous wagers. A hinged writing board was fitted to the center of the padded top to serve as a writing desk, while a receptacle for writing materials was fastened to one arm and a candleholder to the other.

In addition to the several types of chairs mentioned, there are numerous others such as the barber chairs that now and then make their appearance. The "barber" is similar to the corner chair with the horseshoe shaped back and another smaller back added to the top-rail. As a rule, the extra back has the slightly concave cresting to accommodate the head and to allow the wig to hang over the back. Nowadays they are of little use for their original purpose, but as desk chairs they are exceptionally comfortable and add no little to the charm of a library or, for that matter, of an office.

The photographs illustrating this article are shown through the courtesy of the following: American Art Association, Arthur S. Vernay, Schmitt Bros., W. F. Cooper, Florian Papp, Rosenbach Galleries, Wey[illegible] & Vollmer.



COCK-FIGHT BOOKMAKER'S CHAIR



MEDIEVAL LORD'S [illegible] CHAYRE

New Zinnias star on the garden stage

Being the story of the modern revival of an old-time favorite flower · By F. F. Rockwell

WHOEVER first called the Zinnia "Youth-and-Old-Age" must have had a prophetic streak in his make-up. When I was a youngster the Zinnia was already considered old-fashioned; today it is one of the most modern of our garden flowers.

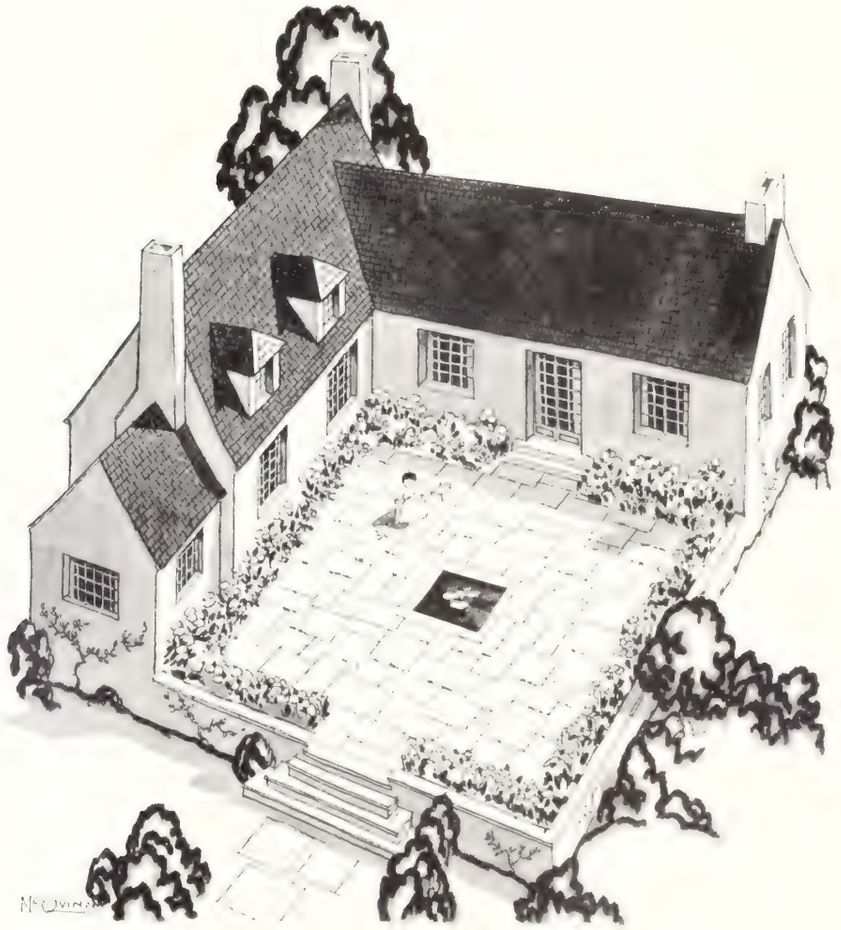
The several distinct new types of Zinnias developed within the past decade will prove a revelation to anyone who has not kept in touch with this extraordinarily mutable and multiform flower. It was my privilege last summer to spend a day in the California "laboratory" where these new and finer Zinnias have been and are being produced, and I came away with a new appreciation both of the Zinnia and of the work of the group of enthusiasts who have given it its present enviable position in the garden flower world.

The modern Zinnia is decidedly an American flower—as, for that matter, was the original; for the Zinnia, like the Dahlia, is one of the good things that has come out of Mexico. As with the Dahlia, also, the original wild species are little more than coarse and ungainly weeds when compared to our present garden forms. Surely the good Doctors Dahl and Zinn—the former a Swedish Botanist and the latter a professor of medicine at the famous University of Göttingen—would sit bolt-upright in their graves, or come running through Elysian fields of asphodels (as the case may be) to see today's glorified forms of the flowers named after them.

That the Zinnia has been able to win its way to its present unquestioned popularity, despite the prejudice which for a time existed against it, is due entirely to its own intrinsic good qualities. There has been no organization, no commercial interest to "put it over". No flower is easier to grow; few have so long a season of bloom or are so certain to come into bloom under any and all conditions. It is as yet free from those distressing uncertainties which attend the growing of such favorites as Sweet Peas and Asters; it remains cheerfully and abundantly in bloom until late in the season, often for weeks after many of its garden companions have either bloomed themselves out or succumbed to the first light frost. It lends itself to such a wide variety of uses that it fits in almost anywhere—for gorgeous masses of color, for smaller groups of more delicate coloring in the mixed border, for temporary low hedges or boundary lines, for edging, and above all, in its modern forms, as an extremely satisfactory and always reliable flower for cutting.

It is true that the Zinnia has always possessed some of these good qualities, but until comparatively recently the colors were somewhat crude and garish—in the original species they are rather dingy and muddy—and in habit the plants were inclined to be coarse and weedy. These two characteristics operated against its general acceptance by those whose taste in flowers had progressed beyond the primitive.

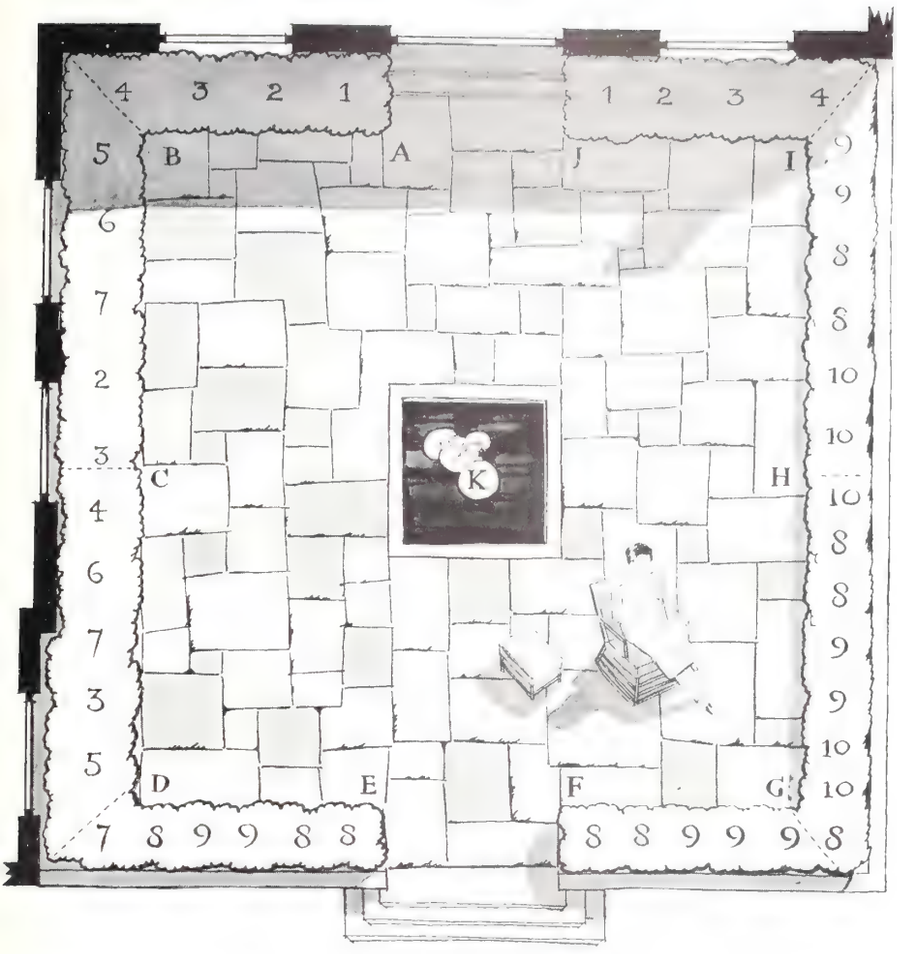
In the modern Zinnia the factor of color has been turned from a liability to what is, perhaps, its greatest asset. It is useless to attempt to describe in detail these colors which, for want of a better name, we call "pastel" shades, characterized not only by an indescribable softness and delicacy of tone, but by the fact that they harmonize and blend perfectly. There is a physical basis for this. In the Dahlia-flowered Zinnias—the type most favored by florists and by gardeners for cutting—the reverse sides of the petals are of a whitish gray neutral tone similar to the chalk base used in the



ZINNIAS are excellent for a small terrace. They may be preceded by Tulips

The key to the 25′ square planting plan opposite denotes these varieties: 1. Exquisite (Dahlia-flowered); 2. White Double Giant; 3. Golden Dawn (Dahlia-flowered); 4. Orange King (Giant); 5. Oriole (Dahlia-flowered); 6. Burnt-orange (Double Giant); 7. Crimson Monarch (Dahlia-flowered); 8. Salmon Rose (Dwarf Double); 9. Picotee Delight; 10. Curled-and-crested. *Zinnia mexicana* edges the beds

Tulips are massed as follows: A-B, 72 Clara Butt; B-C, 96 Dream; C-D, 96 Zulu; D-E, 72 White Queen; F-G, 72 Bronze Queen; G-H, 96 Cardinal Manning; H-I, 96 Jaune d'Oeuf; I-J, 72 Prince of Orange. K is Gladstone, a white Waterlily



making of pastels. This carries through the semi-translucent substance of the petals and creates the effect of toning down the pigmentation so that the various colors harmonise perfectly, just as they do with the French pastel crayons. The same charming colors which have helped to make the Dahlia-flowered Zinnias world famous have been made available in several other types of the plant.

It is by no means to color alone, however, that the new Zinnias owe the ever increasing esteem in which the gardening public holds them. Quite as remarkable and quite as important are the distinct new forms into which the flower has broken under careful and intensive hybridizing, and these include plant habit as well as the size and the conformation of the individual flowers. The more vigorous growing of the California Giants—a sport or mutation from the Dahlia-flowered type, not a mere improvement of the Giant or Mammoth-flowering Zinnia (*Z. elegans robusta grandiflora*) of a generation ago—under favorable conditions attain a height of four and occasionally as much as five feet; in mediocre soil and with scant attention they reach three feet. Other types are of tall, medium and dwarf growth, the smallest being the improved strains of *Zinnia Haageana* or *mexicana*, which is only about nine to twelve inches, and the Lilliput, twelve or fifteen inches tall.

As has been the case with the other flowers in which the gardening public has suddenly found itself taking a new interest, the Zinnia owes its more recent development to the efforts and enthusiasm of one individual. In this instance it was the late John Bodger, founder of the seed growing concern of John Bodger and Sons Company of California. From the time when Bodger began growing seeds for the English firms with which he had been connected (the American flower seed industry at that time was almost non-existant) he had a special liking for the Zinnia, then a very second-rate flower in importance. He found, however, that the strains of seeds supplied him from abroad were mixed, or where true, were decidedly lacking in uniformity. To improve his stocks he began line breeding—that is starting all over again by saving seeds from a single plant, and working up a selected strain from this—in order to fix uniform types. The original single flowered wild Zinnia had been developed into a double form in India, and this had been further improved in Germany and France. With the perfection, through years of careful breeding, of the old Giant or Mammoth Zinnia, it seemed for a while to Bodger that he had done all that could be done with this flower. Not only had the size, habit of growth and vigor all been improved, but a good range of separate colors (*Continued on page 74*)



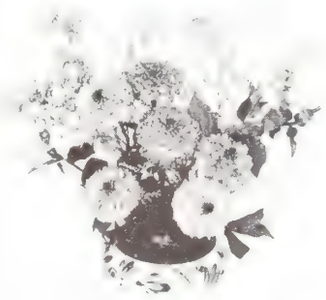
POMPON



MEXICANA



DWARF DOUBLE



PICOTEE DELIGHT



CACTUS-FLOWERED



Dorothy Dunyea



George W. Harris

Colorful play rooms for the younger set

RED and white, with touches of yellow, form the color scheme of the nursery in the home of Wilfred J. Funk, Montclair, N. J. Contrasting with gray-white walls are the lacquer red chintz hangings and amusing red and white awning striped, painted ceiling. Walter Johnson, Inc., decorators

SCENIC walls representing various countries bring charm and interest to the nursery at the left. The background of pale blue was taken from the fireplace tiles. Rose chintz with blue pipings covers sofa and chair. In the New York apartment of Thomas Ewing, Jr. Kerstin Taube, Inc., decorators

Planning for the child in the house

Junior members of a family strongly influence the home building venture · By Julius Gregory

THE custom of bringing up children at home gives them a wonderful background of experience for anything that has to do with domestic affairs. They have been through the mill of learning how to do things and they know what they like best. When the family builds, it is the younger members who control, indirectly because the house is to be for them, and directly because their ideas are worthy of the respect of their parents. From the time of the selection of the site to completion of the residence, the guiding thought is for the children. Indeed, if it were not for them, there would be very few houses built in the country.

THOSE who build may be divided into three groups. First come the young people with children under ten or twelve years of age, then those whose offspring are around the high school age, and in the last group, the man and his wife without children whose venture usually represents the achievement of an ideal. The interests of the last group lie in comfort for themselves and their guests, a garden to work in and a place for their pet animals.

In the first group are found the young mother and father whose project is usually of the less pretentious kind, carried out within the narrower limitations of smaller outlay and simpler ways of living. The mother's chief concern is the proper care of her children. She wants them in sight and under control, hardly thinking of herself in her eagerness to get the utmost for them. She does most of the planning because the children are often so young that their wishes are not formulated clearly enough to be of use.

Sometimes, it is true, there are younger people with small children who seem to be more interested in thinking of the house in reference to their own forms of entertainment than in planning for the youngsters. This is rare, however, and is a state of mind which seldom continues for long.

In the second group the ultimate is reached in the planning of a home. Each child is a member of the coöperative body and has his say. While the initiative in the undertaking and the general guidance and direction is, of course, assumed by the parents, it is the requirements and ideas of the junior members of the family which carry by far the greater weight. It is the time when mother and father are beginning to step back and are finding themselves thinking of a quiet retreat upstairs while the children entertain and take over the house to their own uses.

The prime requirements in planning for the small child are control, rooms with sunshine, and means of access to its own parts of the house without having to go through the living quarters of the family. The matter of control enters into every phase and must be studied in connection with each element of the plan, for the child needs to be under observation wherever it is, inside or outside of the building.

The bedroom should be accessible to the mother's or nurse's room. Preferably, it should have south and east exposures, within reach, if possible, of a sleeping porch or balcony and should not be painted in vivid or definite colors unless the child is old enough to know what it wants. A wood floor with rugs seems to work out best, though linoleum or rubber floors are often used to advantage, especially for the very young child. There should be ample closet space for clothes and toys, built-in bookshelves and a desk. Much care should be given to the location of wall brackets so that the room may be lighted without disturbing the child; provision should also be made for a number of baseplugs.

IN THINKING of the bathroom, it is advisable to raise the tub up about six inches above the floor for easy bathing of the small child and it is well to have the medicine cabinet set low enough in the wall for access and use of the mirror.

Of course, a nursery is fine for the little ones and if at all possible, should have well-planned equipment for taking care of toys and books, which should consist of bookshelves with perhaps a low seat at the floor, cupboards built into the walls with shelves for toys and a blackboard set against the wall so as to form a part of the general room decoration. A low wainscot of cork board about three feet high is valuable because it gives the child an opportunity to tack pictures up without injuring the plaster walls.

In every house, there should be a place where the children can have their meals away from the family, even if it is to be used only on occasions. A breakfast room or even an alcove situated just off the kitchen will serve and either the one or the other is usually provided in the well-planned house.

AS CHILDREN begin to grow beyond the stage of having to be watched all of the time, as they reach the bicycle age, while they should still have bedrooms with good exposures, these rooms could well tend to become more like studies and approach more the character of rooms in a school or college.

A playroom or workshop in the basement with easy access to the out-of-doors is an essential and, as with the playroom for the smaller child, should be planned for its equipment and so that the boy's or girl's things could be kept in an orderly manner. Blackboards, bookshelves, large closets for storage of toys, sturdy furniture pieces, a workbench with gas and electric outlets nearby, attachment for radio, and a good wood floor are the essentials and should be given careful thought. For older children, this room naturally expands into a place for entertainment; then it should have a fireplace, a concealed kitchenette, and be large enough for parties and dancing. Ease of getting to the outside is less necessary than accessibility to the main hall of the house.

It is most desirable that a separate entrance with closets for bicycles and clothes be provided so that children, young or old, can come and go to their own rooms without having to use the front door and if necessary, sacrifices should be made in other ways to secure this necessary feature. Strangely enough, this very thing is one that does not usually interest the child.

THE modern parent, whither he goes or whatever he does, is accountable to his children for practically every action. He has brought it upon himself and usually is glad that he has. The clothes he wears must meet the approval of his offspring, the work he does must be better work than any other man attempts, he must be an oracle of information and when the idea of building a house is brought before the family council, while the children are not at all backward in asserting their preferences, it is always mother and father who are thinking further along for them than they can for themselves.

The Gardener's Calendar for February

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Longer afternoons, shorter patience; warming sun and biting cold, sky of softer blue or grimmer gray; [illegible] days and stern February.	1. A few of the [illegible] scattering seed of an[illegible] Poppies [illegible]	2. About this time of [illegible] heavy rains. If the [illegible] the damage promptly with additional soil and stone chips. Fair-sized stone placed in the little channels will lessen the force of [illegible].	3. [illegible] It keeps the trees within bounds, renders them easier to care for, and increases their yield. February is probably the best month for it in most parts of the country. Nurserymen call this the "delayed dormant" [illegible].	4. Grapes, climbing Roses, [illegible] fruits and any other plants that are tied to supports ought to be gone over carefully and any loosened fastenings replaced. It will be well to make the ties so as to prevent the bark being worn by rubbing against the [illegible].	5. Paper white Narcissi, Hyacinths and other bulbs grown in water or fibre for indoor flowers should be kept dark and cool until they form well developed roots. As a general rule about a month should be allowed before they are brought into the light and warmth.	6. [illegible] one of the best winter sprays for San José or Oyster shell scale on fruit trees and some ornamentals. Lime-sulphur solution is another good control preparation. Apply twice where the trees are badly infested, and use a standard brand [illegible].
7. Flats should be in readiness for the early seed sowing. Three by twelve by eighteen inches is a convenient size for them. Bore holes in bottom for drainage. Be sure, too, that you have an adequate supply of screened soil containing plenty of humus and some sand.	8. Liquid manure is an excellent stimulant for greenhouse and house plants of various sorts. Apply it rather well diluted every week until results are obtained. If fresh manure is not available for making it, use the dried materials available at garden supply stores.	9. It is a good plan to [illegible] over the ground and examine the trees for broken branches or decay. Repairs attended to now may save serious trouble later on. Wherever damage to the bark has exposed the wood, apply a good coat of lead and oil or special tree paint.	10. Before it comes time to use them, the hotbed and coldframe sashes ought to be put in good condition. Some of them may need new glass, putty or a good coat of paint. By keeping well-made sashes in good repair they can be made to last almost indefinitely.	11. In doing your [illegible] pruning, do not include the spring flowering shrubs. This class of plant material should be cut only immediately after blossoming time. This advice applies to all woody flowering plants that form their buds for next year during the preceding summer.	12. When the season's supply of seed arrives it is a wise plan to put it in some dry and mouse-proof container such as a large metal cracker box with tight lid. Given the opportunity, one hungry mouse can do an appalling amount of damage even in a single night.	13. A few Apples or Carrots scattered in a snow-sheltered corner of the grounds will be welcomed by the rabbits. Also they may save young trees from being gnawed. Bird feeding, too, will be continued faithfully, as February is one of the hardest months for all wild life.
14. It is not too soon to [illegible] a hotbed under way for the early seed sowing. Put in at least a foot of fresh manure at the bottom and cover it with 4" of loam. Bank up the outside of the frame with leaves, old bags, boards—anything that will help to exclude the frost.	15. If any trees were set out and staked last fall you will do well to look over their supports, and see that they are doing their work without chafing the bark. Also, inspect the windbreaks or sun screens protecting the Rhododendrons and other kinds of evergreens.	16. The small portable plant protectors which look like miniature coldframes are excellent for giving an early outdoor start to Melons and Cucumbers. After the soil in the planting hills has been prepared, the frames are set in place to warm it before sowing.	17. Dull edged tools are almost as much of a hindrance in gardening as in carpentry. Sharpen now such implements as lawnmowers, sickles and shears. Some of these can be done at home with a good emery wheel or even an old-fashioned leg-power grindstone.	18. Garden labels of adequate size are a great convenience. Where wooden ones are wanted for thrusting into the ground, have them at least 10" long. For more permanent use and better appearance, look up the patented kinds of metal, celluloid or composition.	19. Stored Gladiolus bulbs may be examined now and cleaned up in preparation for planting time. Remove all adhering dirt and the old stalk butts, as well as the dry remains of the old bulbs which will be found adhering tightly to the bases of the new ones.	20. Sprays of Pussywillow and Forsythia, Plum, Cherry, Apple and many more spring-flowering woody plants if cut now and kept in water in a warm, sunny window will come into bloom in a few weeks. If the air is very dry, moisten bark and buds occasionally.
21. Before the bluebirds and other box nesters come north, the houses they used last year should be cleaned out. A stout hooked wire artfully manipulated, will generally pull out the old nest. Many people do not realize that these birds build new nests every year.	22. Nothing forms quite as good a support for Sweet Peas as twiggy brush. Cut a supply now, lay it down and cover with boards to flatten it. The young growth in thickets of Black or Gray Birch provides excellent brush when cut green in late winter and treated in this way.	23. For convenient, accessible garden record keeping the card file has many advantages. It should carry such data as planting dates, soil, results, etc. There should be special sections reserved for more general observations—plant combinations, color schemes and so on.	24. Seeds of early vegetables may be sown now in the greenhouse for later transplanting into the garden. Also, start Egg-plants and Tomatoes in pots. Let the soil for all of these be light and friable, and give the seedlings plenty of air to prevent damping off.	25. Straw or burlap mats to cover the hotbed and cold-frame sashes on frosty spring nights will save many a seedling flower and vegetable in the next few weeks. Put them on late in the afternoon and remove in the morning so that the sun will have a chance.	26. Paper pots for some of the vegetable seeds that are started under glass are worthwhile. They mean that the roots are not disturbed in transplanting, for when setting out time comes, you plant pot and all. Tomatoes, Peppers and extra-early Corn are good subjects.	27. The best way to water seedlings is with a very fine-rose watering can. The ordinary rose is too coarse; you need the finest ones made, with very minute holes. For very fine seed, planted shallow in light soil, a hand or compressed air sprayer is still better.
28. If the snow is gone and the weather has been [illegible] it is a good time to remove any mulch that may be over the early bulbs like Crocus, Scilla and Chionodoxa, [illegible] of the ground. If an ordinary cold snap [illegible]	29. One of the miniature indoor greenhouses — which [illegible] excellent for starting early seed in the house. There are several makes on the market [illegible] ventilation and a water [illegible]					

First Week: Mid-winter, with all that it implies.

Second Week: Clear and cold, strong winds.

Third Week: Warmer, followed by snow.

Fourth Week: Rain, sleet and then more snow.

● New Moon, 6th day, 9 h. 45 m., morning, E.

☽ First Quarter, 14th day, 1 h. 16 m., evening, E.

○ Full Moon, 21st day, 9 h. 7 m., evening, E.

☾ Last Quarter, 28th day, 1 h. 3 m., evening, W.

Old Doc Lemmon recounts the strategy of little Sam Edson

"I DUNNO if any o' you folks are 'quainted with Gus Heisenbuttle, who works in the Jenkins' Brothers' lath, grain, feed an' lumber yard next to the railroad station over to Hartleyville. If ye hev happened to meet up with him it'll give this here story more p'int, kind of.

"Gus, ye see, is a mons'rous big cuss, hefty as an ox from totin' bags o' feed an' pilin' timbers, an' allus bellerin' 'bout how he's the gol-danged-est strong man in three States. A wallopin', bull-necked blowhard thet nobuddy likes but can't help respectin', for he act'ally can do whut he says he can.

"Wal, one Sat'day night Sam Edson, who's nigh as skinny an' runted as Gus is big, got tired listenin' to the Dutchman's talk there in Keeler's store where a dozen of us was a-settin' 'round, an' says to him,

" 'Gus,' he says, 'I've got a dollar thet claims ye ain't nowheres near as strong a feller as ye let on to be.'

"Ye could have knocked any of us off his pins with a feather, hearin' leetle Sam takin' a chancet thetaway, but 'twarn't nothin' to the way them words hit Gus. He b'iled up like he was a-goin' to bust, slammed a dollar bill onto the counter an' like to shook the cobwebs off'n the ceilin' with his voice:

" 'Pi Gott, you liddle veasel, I am so stronger as all dot oxes vot you effer see! You name dot bet qvick *oder* shut oop, alretty!'

"Sam just sort o' smiled. 'Wal,' he said, 'I bet ye can't carry three hunderd pound o' cement a mile along the State Road 'thout settin' 'em down.'

" 'A dollar dot I can!' bellers Gus, an' so they made Keeler the stakeholder an' fixed it up for to make the test at three o'clock the next afternoon.

"Wal sir, I want ye to know thet ev'rybuddy from miles around was on deck to see thet bet decided! Lem Jenkins he brung the cement along in his truck, an' Sam come in his old rattletrap flivver, an' after whiles they got the bags lashed together an' h'isted 'em onto the Dutchman's shoulders an' off he started.

"Things went good enough for a leetle ways, an' then Gus yells at Sam, who's drivin' along slow 'bout ten feet ahead of him, 'Take dot gottam old dirty car out *von* my vay! She smell like [illegible]!'

" 'That so?' Sam grinned over his shoulder. 'Wal, there warn't nothin' ag'in ottermobiles in the terms o' this bet, was there?' An' by golly, he kep' right on just ahead o' Gus, gassin' him with the worst dose of exhaust smoke thet ever come out'n a wore-out flivver!

"Did it get under the Dutchman's hide? Gol a'mighty, I'll say so—an' into his lungs, too! Ye couldn't help feel sorry for him, for there warn't nothin' he could do 'bout it—couldn't ketch up to Sam 'thout drappin' the cement, an' couldn't drap the cement 'thout losin' the bet. So he kep' on eatin' exhaust gas ontil finally it wore him down an' he quit a quarter-mile short o' the finish line.

"I s'pose ye wonder whether he got Sam afterwards. Wal, he hain't ketched him yet, but when he does—!"



A delight to the most sophisticated palate . . . . Real *Philadelphia* PEPPER POT!

Speaking of good old Colonial things, have you ever tasted genuine Philadelphia Pepper Pot? How fortunate that a famous recipe was handed down so that now you can enjoy this delicious soup. For Campbell's own Pepper Pot cook follows the old recipe implicitly—making for you a faithful reproduction of this Colonial favorite.

What a soup it is! One taste, and you'll know where it gets its reputation for hearty, rugged, satisfying qualities. The recipe — a favorite of the old substantial Philadelphia gentry. With a smooth rich stock are blended all manner of delicious things — tender morsels of white meat, diced carrots and potatoes, macaroni dumplings, all fragrantly seasoned with ground whole black peppercorns, savory thyme, sweet marjoram, fresh parsley and sweet pimientos.

This is the kind of soup which men particularly enjoy — a soup of hearty, satisfying substance that hits the spot and sticks to the ribs. Serve it once and you will serve it often. 11 cents a can.

MEAL-PLANNING IS EASIER WITH DAILY CHOICES FROM CAMPBELL'S 21 SOUPS

A Man's Soup



LOOK FOR THE RED-AND-WHITE LABEL



Pepper Pot Vendor in Old Philadelphia
1776

France



FRANCE, the fascinating! Medieval villages unaware of the passage of time...mountains whose lonely passes still echo to the march of Caesar's legions crossing to conquer Gaul...rivers bordered with castles, chateaux and great country houses in their silken gardens ▲ Cathedrals that carried the marching centuries to Heaven in their spires...purple headlands stretching into a Mediterranean sunset as they did when Hannibal crossed from Africa ...France is old and every mile has its tale... a picture, perhaps you have dreamed ▲ Normandy and Brittany at their most provincial by the inn-to-inn route...or at its most cosmopolitan in Deauville ▲ Biarritz where life reflects the sparkle of Bay of Biscay... the whole magic Basque country with the sky-high Route des Pyrenees...Nimes, Arles and Avignon, awaiting in the sun, each with its Roman secrets...the French Riviera, a garden spot at all seasons...Aix les Bain and through the Alps to Alsace-Lorraine with its pine-clad Vosges ▲ Paris, the axis of delight, with week-end sorties to Vichy, Le Touquet, La Baule or Dinard ▲ A countryside of ancient Gaul with its luxurious railways and motor buses at truly moderate tariffs ▲ Any reputable travel agency will supply an itinerary of your own.

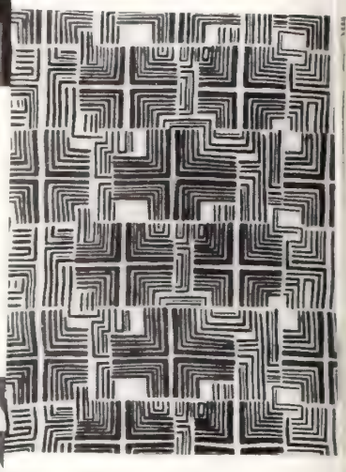
RAILWAYS OF FRANCE

701 Fifth Avenue, New York

New textile designs by Ruth Reeves



THE primitive designs featured on this page are particularly adaptable to the modern interior. At the left is a striking rough linen in natural, tomato red, gray and black



THE EFFECT of a hand-woven fabric is created in the design at the right. The pattern hand printed in lacquer red and Chinese blue on old white cotton is most effective

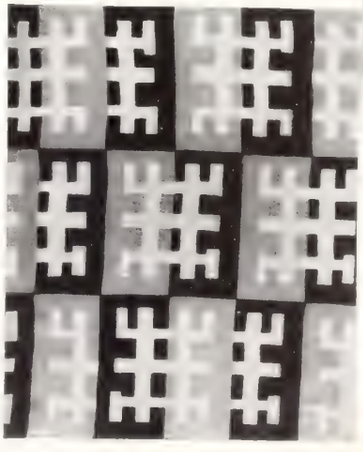


AN INTERESTING linen whose design was derived from our American Indian blankets is shown at the left. Patterned in vermillion and [illegible] on a natural ground

AT THE right is a typical Mayan design which would be most fitting for use in the modern black and white room as it comes in this effective color combination

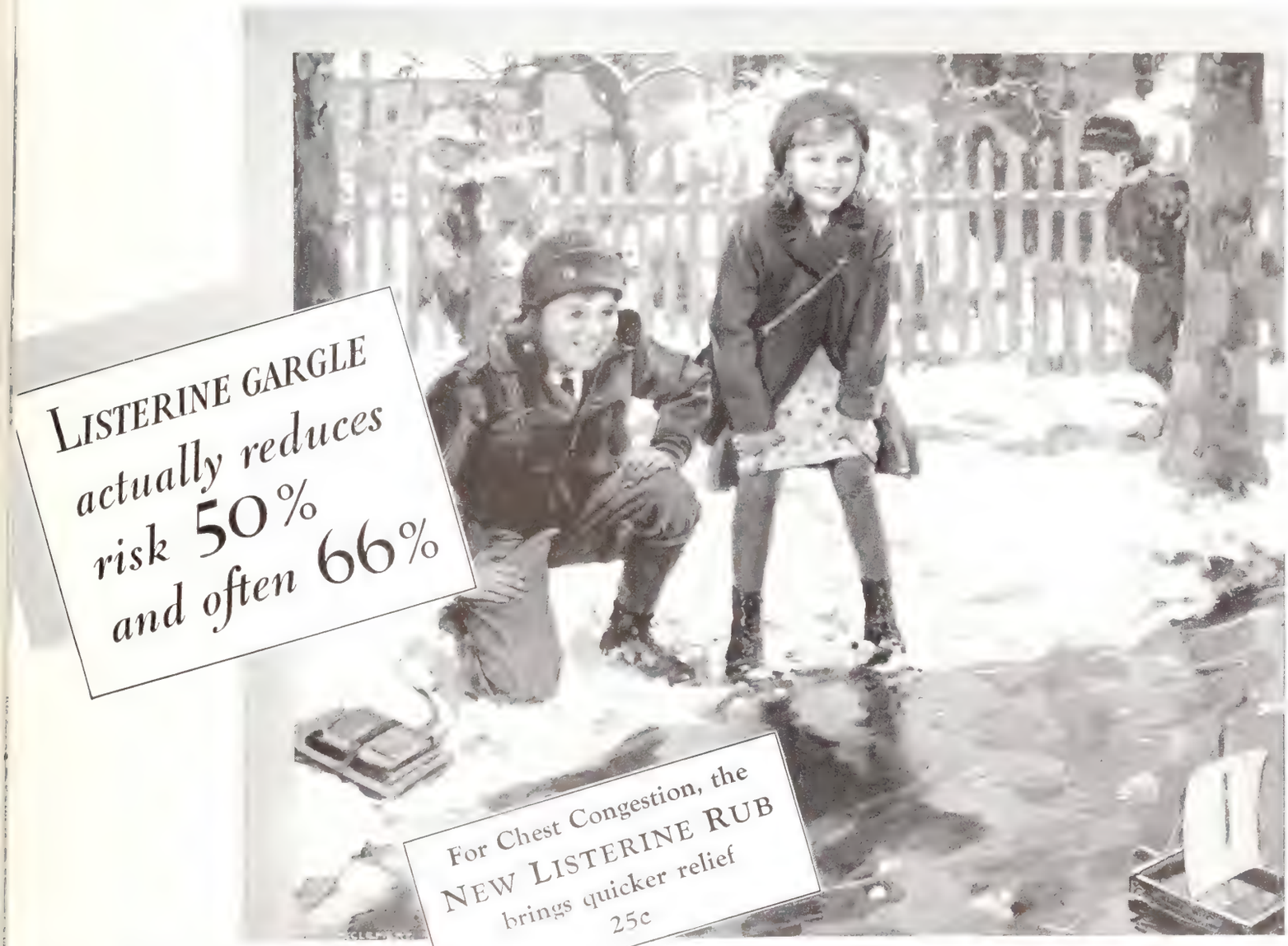


Dean E. Merrill



TO THE left is a horizontally moving pattern that comes in tones of bronze on a natural ground. These fabrics shown through the courtesy of the Arden Studios

FEWER COLDS
for you and your children



COLDS reduced 50% and even 66% in number.

Reduced 75% in severity.

Reduced 66% in duration.

Read the above figures again. They suggest a new era of health for you and your children. And again emphasize the value of using full strength Listerine as a twice a day gargle. They were arrived at after a scientific series of tests on 204 persons to determine the value of Listerine's germicidal action in retarding the development of the common cold.

During the tests (conducted under medical supervision) one-third of the 204 persons did not gargle with Listerine. One-third gargled with undiluted Listerine twice a day. One-third gargled five times a day.

Those who gargled with Listerine twice a day contracted from 50% to 66% fewer colds than those who did not gargle at all. When Listerine users did contract colds the infections lasted approximately one-third as long, and were approximately one-quarter as severe as the colds contracted by non-Listerine users.

Those who gargled Listerine five times a day showed even greater resistance than those who gargled twice a day.

Surely, with these facts before you, the advantages of the systematic use of full strength Listerine are plainly evident.

Such results are due to Listerine's power to kill germs in the fastest time.

It reduces bacteria in the mouth 98%, without damage to the delicate tissues with which it comes in contact.

Such performance cannot be expected from harsh solutions which, if not diluted exactly, may irritate tissues and aid germs in gaining entrance to the body. Ask for Listerine and *accept nothing else.* Lambert Pharmacal Co., St. Louis, Mo.

The mouthwash that is SAFE!

THE AUCTION METHOD

THE IMMENSE VARIETY
OF A BAZAAR
PLUS
THE INDISPENSABLE FACTOR
QUALITY



FROM an early American furniture maker's shingle to a rare Ming bowl, or from a sturdy oak trestle table to an elegant Louis XVI Beauvais tapestry suite are far cries, but such extremes, and points between, are represented in American Art Association-Anderson Galleries Inc. auction sales throughout every season. Sales during the past four months have placed thousands of excellent antiques and decorations—English, American, French and Italian furniture, silver, bronzes, porcelains, tapestries, rugs, brocades, velvets, etchings and paintings—in the homes of people who know that a satisfactory way to acquire good furnishings at reasonable prices is to buy at auction; that the time to buy is now; and that one of the best auction houses to patronize is the American Art Association-Anderson Galleries Inc. because of its reputation over a period of fifty years for fair dealing, high standard of collections offered for sale, and reliable catalogues.



Send for our Bulletin of Forthcoming Sales

AMERICAN
ART ASSOCIATION
ANDERSON GALLERIES
INCORPORATED
30 EAST 57TH STREET · NEW YORK

What's new in building and equipment

(CONTINUED FROM PAGE 55)

shower, to a normal spray, or a sluicing stream, with no effect upon the temperature of the water.

An interestingly designed, graceful and compact sink fitting by the same manufacturer, the Speakman Co., has been selected against all competition for a monel metal sink recently placed on the market. This fitting includes an extra large soap dish, which drains water away free from the fixture, and easily holds bulky cakes of soap. Operating handles are large enough to feel comfortable in the hand. The nozzle swings back out of the way in line with the side of the soap dish, and is equipped with an anti-splash gauze strainer. These two new fittings are both finished in chromium plate.

ASBESTOS WALL BOARD. An attractive wall board is made from asbestos with a finish which simulates the appearance of genuine marble. It does not crack, warp, stain or fade, is absolutely fireproof and waterproof, economical, sanitary and easy to clean.

It is being used for walls of bathrooms, hallways and foyers. Kitchens are made more attractive and cheerful by this board on the walls, with high finish which will not absorb moisture or soot. It is smart and colorful for bathrooms since the finish is not affected by hot water or steam.

Standard size sheets are 32 by 48 inches, 3/16 of an inch thick, and are made by Asbestos Limited, Inc. With his ordinary tools, any carpenter may quickly and easily set up these surfaces. Standard size sheets should be used where possible. Sheets may be cut with a carborundum wheel, a carpenters' saw, or may be scored deeply with a sharp pointed instrument and broken in much the same way that glass is cut. Attachment to wood should be with wood screws, drilling holes in the board and touching up the screw holes with the proper shade of putty. Oval head, nickel plated screws may be used, allowing heads to show, with proper care in placing screws to present a well balanced appearance. Where the wall is masonry, the board may be cemented to it with a plastic compound. Stock colors are black and gold, *verd antique* (green), light Italian, Belgian black, French black and white. Trim may be used where desired; in a differing color it produces a striking contrast with the wall. Top molding and base is available in any of five finishes, four and six inches wide, 3/8 inch thick and 48 inches long, grooved to receive the sheets. Colored putty is used to cover nails or screws and the seams. This board may be used in every logical place for marble except floors. While its cost is but a fraction of that of marble, this board is exactly the same in appearance.

HUMIDIFIER FURNACE. This forced air unit combines the convenience and comfort of gas as a fuel, with the advantages and benefits of complete air conditioning throughout all the months of the year.

A black trimmed, dark green crystalline casing encloses an all cast iron heater section, thick air filter, humidifier and a multi-blade blower complete with shafting and base. Additional sections are the same size and may be added at an increase in width. Blowers in each section of a multiple unit are mounted on a common shaft driven by one motor.

The combustion chamber is located in the front portion of the casing with the burner and safety pilot. A two-level humidifier pan, mounted on top of this chamber, extends through the front of the casing, making it easy to clean the interior surface. Products of combustion, upon leaving the chamber, pass through cast iron tubes extending the full length of the furnace casing. Cover clamp plates surround all tubes, making joints double lapped, offering virtually no possible chance for leakage. Insulation is attained by triple casings around the combustion chamber.

There can be no direct contact of fuel gases with air warmed for circulation to rooms in this heater of the American Foundry and Furnace Co. Cold air enters top of casing at rear of heater and by suction of a centrifugal blower is drawn downward through the air filter into the rear chamber of the casing. Air discharged from the blower is forced up through the front chamber of the casing, passing over all hot surfaces of the combustion chamber, from which a great portion of the heat is extracted. Ample moisture is introduced by the humidifier pan before air leaves the heater casing at a temperature of approximately 150 degrees F. Warm and cold air connections are placed in each section of the casing top. Rectangular ducts carry the warmed air to room registers.

WEATHER-TIGHT FRAME. Up to the present time the home owner has had trouble with window frames that leaked air and water, with resulting damage to interiors. After installation of these old style frames, warping of the wood invariably resulted in open joints, offering entrance to wind and rain. A new window frame has been specially designed by Segelke & Kohlhaus Co. to prevent such leakage. The weak point at the joint formed by the exterior trim and the window frame is effectively sealed, in this patented, wooden double-hung sash frame, by a lock joint which will never open. This is a stock frame, and is primed with aluminum paint before leaving the factory.

NEW TYPE NAIL. The oval shank of a new nail is fitted to the grip, while its chisel point cuts across the grain of the wood, reducing the chance of bending and preventing splitting. These nails do not cause the slightest fracture in the wood; in hard maple the chisel point cutting through the grain assures a perfect job. Made by Northwestern Barb Wire Co. from virgin steel, with seven cutting edges, it has definite advantages of more nails per pound, less loss from bent nails, smaller amount of split wood, quicker and better workmanship.

NON-FERROUS SCREEN. A one-piece aluminum screen combines light

(Continued on page 72)



PHOTO BY LINSTEAD

WITH A BETTER RIGHT THAN EVER TO YOUR FAVOR

Among women of discrimination, correct personal transportation has long meant the Chevrolet Six. The *new* Chevrolet is designed to establish this tradition even more firmly than before. Its new Fisher bodies have the ultra-modern streamline silhouette so much in vogue among the better-known custom cars. Interiors have wide, deeply cushioned seats, beautifully tailored upholstery and smartly fashioned hardware. In the matter of performance Chevrolet has shown an equal understanding of women's requirements. The new Chevrolet Six is spirited and powerful to a high degree, yet even smoother and quieter than before. Synchro-Mesh is combined with Free Wheeling to give quiet, easy gear-shifting and positive car control. In fact, the Chevrolet Six makes so many *new* bids for feminine favor that it has already won wide acceptance among women with exacting ideas about personal transportation.

NEW CHEVROLET SIX

Prices as low as $[illegible] f. o. b. Flint, Michigan. Special equipment extra. Low delivered prices and easy G. M. A. C. terms. Chevrolet Motor Co., Detroit, Michigan. Division of General Motors

THE [illegible] AMERICAN VALUE FOR 1932

WEDGWOOD



Bognor on Patrician

Gay flowers, plucked at random in an old-fashioned garden, and gathered in loose, informal clusters, give the motive for this colorful design in Queensware. The decoration (which is applied under the glaze to insure permanence) is on the *Patrician* shapes, creating a dinner service of unusual character and charm. *Bognor on Patrician* is carried by the leading stores in open stock.

Upon request we shall be pleased to send you a copy of our illustrated booklet.

Josiah Wedgwood & Sons, Inc.
OF AMERICA

Mark on China



160 FIFTH AVENUE · NEW YORK
Northwest corner of 21st Street
WHOLESALE ONLY
Potteries: Etruria, Stoke-on-Trent, England

Mark on Jasper, Basalt, Queensware, Etc.
WEDGWOOD

What's new in building and equipment

(CONTINUED FROM PAGE 71)

weight and permanence. Sturdy steel or bronze, with but one-third of the weight, it positively will not corrode, rust, or oxidize. Wire drawn from this metal cannot discolor white stone sills, nor light colored trim. A new gun metal finish, developed by Orange Screen Co. eliminates the disadvantage of the glistening, natural color of this metal. All corners are formed with a welded miter, finished smooth. Screens may easily be rewired by removal of the aluminum locking strip. Solid aluminum hardware harmonizes with the frame and screen cloth. This is an ideal accessory for that modern casement now made from the same metal.

CURB GUTTER BLOCK. These blocks supply a simple, rapid and low cost means of converting the ordinary driveway or walk into one that adds greatly to the value and appearance of any property. Once installed, unsightly edges are a thing of the past, and upkeep worries are banished. The cost is not really an expense, since it eliminates the never-ending labor of keeping the driveway presentable. Portable blocks are made in a one-piece section containing gutter and curb by a special machine patented by American Curb-Gutter Block Co., Inc. These units, formed in straight, curved and end sections to meet any curve or angle requirement, can be readily assembled into continuous curb gutters for private driveways and roadways, park and garden walks, lawns, and many other landscaping uses. Each block, one foot long, forms a gutter one foot wide with a five-inch curb; its weight approximately comes to 70 pounds.

CENTRALIZED RADIO RECEPTION. Improvement in radio reception centralizes radiotrons in one convenient location in an easily accessible box. This system will benefit the household where several conflicting demands for type of program find several radios tuning in at the same time. One perfect antenna, located in the ideal position, may be employed to energize the centrally located intensifier, which in turn feeds as many individual radio outlet plates as may be desired through a new and unique type of radio distributing conductor developed by RCA Victor Co., Inc. Vacuum tubes are only required in the intensifier unit. Radio outlets may be located where desired, and it is only necessary to plug in a set to establish connection with the central antenna and the ground.

GUTTERS FOR SHADOW LINES. Fir gutters designed to give deep, rich shadow lines at the cornice, and so add architectural beauty and symmetry at this point to the house, are coming into favor, according to the Fir Gutter Company, manufacturers. The straight horizontal lines and ogee shape give a real beauty of design.

Hardly second to this feature, we are assured, are the facts that they last longer and cost less. Old growth Douglas fir is used and provides durability, longer lengths and less shrinkage. Special fittings prevent leaking at joints, miters and ends. Five stock sizes are offered.

Victorian chintzes that suit to-day's revival

(CONTINUED FROM PAGE 103)

averages each year about 25 markedly successful designs, as well as others less popular, besides his hand-blocked chintzes. Impressive figures, these, a strip of cloth winding the earth at the equator four times and more. Interpreted in terms of curtains and slip covers it becomes magnificent.

We are illustrating, by way of diversion and also for enlightenment on the subject of schools and theories, Arthur Wilcock's first design for a machine print—"Waving Corn and Poppies." This young art student proudly received from the Committee of which William Morris and Walter Crane were members a prize for this, the best submitted design of the year. The dealers, Newman, Smith & Newman of London, eager to secure a prize design, bought it and had it engraved and printed. Never a yard of it was sold. What became of it nobody knows. But England and America kept on buying typical Victorian chintzes with their big red roses, plus an ample sprinkling of old garden flowers, with the conviction that "Old things are best."

Wilcock, wiser by the experience, tempered William Morris' theories and, in the last days of the great Queen (1886-1900), so popularized the "School of Art" influences that even France succumbed, and he had the joy of seeing his prints displayed in shop-windows all over Paris as "Le Style Anglais."

So in this last of the Victorian periods, before the sumptuous birds of tropical provenance began to appear amid forest verdure and a floral abundance unknown in simpler days, the Schools of Art inspired by Morris, Crane, et al., and reinforced by Jones' "Grammar of Ornament" had their little span of popularity, while rosebud chintzes held their place in the background against all comers.

France tried her best with her *toiles* in polychrome or *camaieu*. Even Middle Europe sent her chintzes with their heavy-handed patterns into England and to us in America, but never succeeded in dislodging from favor the gay and spirited floral chintzes which have survived today and are to be seen in fashionable shops wherever the English language is spoken and from cottage to mansion, from apartment to flat, in every appreciative home.





To start the Triumphant New Studebaker you simply ... step on the [illegible] with it ... The engine instantly responds ... and even should it stall at any time, it automatically restarts again.



The Studebaker Synchronized Shift assures instantaneous, silent shifting into all gears and at any car speed. There's no clashing. You shift as fast or as slow as you wish.



The improved Studebaker brakes are adequate to any emergency of road or traffic. Brake drums are larger. Lining that's molded and thicker doubles the life and halves the wear.

Women love to drive these *triumphant new* Studebakers

There's a grace to the Air-Curve Coachcraft of these Triumphant New Studebakers that only half suggests the commodious interior comfort of larger, wider bodies. Driving seats are instantly adjustable and very capacious. No American cars have roomier rear seats than the President and Commander Sedans—55 inches across. The Dictator Eight, and the new 117-inch Studebaker Six, have proportionately generous seat dimensions. Drastically lower in price, these Triumphant New Studebakers present a total of 32 startling betterments, chief of which is vastly finer Free Wheeling plus new *fast-action* Synchronized Shifting.

STUDEBAKER BETTERMENTS

32 Free Wheeling plus Synchronized Shifting . . ety Plate Glass All Around without Extra Charge . . tomatic Starting . . Automatic Ride Control (in esidents and Commanders) . . Full-Cushioned Power onger Bodies . . Wider Seats . . Air-Curve Coach-ft . . New Convertible Body Styles . . All Bodies ulated Against Heat, Cold and Noise . . New Serv- Policy . . Closed Bodies Wired for Radio . . Im-oved Brakes . . New Airplane Type Instruments on sh . . Free Wheeling Dial . . Electric Gasoline Gauge Metal Spring Covers . . Reflex Tail Light . . Full Automatic Spark Adjustment . . New Airplane Type Steel-Backed Engine Bearings . . Greater Cooling Capacity . . Finer Body Hardware including new positive quick action windshield mountings . . Concealed Hood Latches . . New Inside Sun Visor . . No-Glare Sloping Windshield . . Chromium-Plated Steel Spoke Wheels . . One-Piece Fenders . . Steel Running Boards . . Integral Unit Body Construction . . Heat Resisting Sponge Rubber Floor Mats . . Improved Rim Assembly . . Air Cleaner, Carburetor Silencer and Full Power Muffler . . Single Key for Ignition, Doors, Package Compartment and Spare Tire Locks.

NEW LOW PRICES

PRESIDENT EIGHT, 122 H.P., 135″ wheelbase
$1690 *to* $1890 *Reductions up to* $560

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$1350 *to* $1465 *Reductions up to* $255

DICTATOR EIGHT, 85 H.P., 117″ wheelbase
$980 *to* $1095 *Reductions up to* $120

STUDEBAKER SIX, 80 H.P. 117″ wheelbase
$840 *to* $955 *Prices at the factory*

What would he not give to be spared THIS NUISANCE!



"THERE ought to be a law. . . ." So sighs many a good husband as he finds golf dates and holidays utterly ruined by the annual order from "headquarters" to "get busy and put up those screens." Stacked in the cellar — dusty, rusty, some broken, some ripped . . . what a forbidding job their unscrambling, cleaning, repairing, painting and hanging presents! To say nothing of the perturbing thought of taking down and storing them again in the fall.

Chore-dreading husbands! Home-loving wives! Let's end this and all other window-screen nuisances — forever! With Rolscreens of Pella! No home-modernizing equipment in years has brought with it so many conveniences. Nothing so thoroughly overcomes the ugliness, light obstruction and costly upkeep inevitable with old-fashioned, flat-type screens. Once installed, Rolscreens need never be taken down.

Rolscreens roll up and down — like a window shade

They're there when you want them; snugly out of the way and out of sight when you don't.

They roll up automatically, onto hidden rollers — at a touch of the finger.

No need to remove when washing windows; no trouble getting at flower boxes or casement latches.

No heavy accumulations of dust or dirt; no soiling of delicate breeze-blown curtains. . . . Rolscreens clean themselves each time they're rolled.

No marring the stately lines of windows; no wide frames to shut out 10% to 20% of the light. . . . And when windows are closed and the screens rolled up, there's no obstruction to vision at all!

Insect-tight. No gaping edges from shrinkage or bad fitting. . . . Rolscreens are locked in at sides, top and bottom.

No sagging, bagging or unyielding tautness. . . . An accidental blow merely disengages the lugs from guides and rolling the screen instantly replaces them.

No painting or repairing; no rust-made holes. . . . Rolscreens are made of special electro-plated "AluminA"—a pleasing clear-vision wire-cloth, with reinforced selvedge, that will far outlive Rolscreens' TEN-YEAR GUARANTEE.

Any size or type of window — in new house or old — can be easily Rolscreened . . . either inside or outside; full length or half. And only in the genuine, *Pella-made* Rolscreens can you obtain the fifteen patented features which make these not only the most efficient rolling screens in the world, but far more economical in the long run than ordinary screens.

Rolscreens of Pella have seven years of satisfaction-giving history. They can be bought on time payments, if desired. Get the complete story — send coupon below.

Special information, specifications and services to architects and builders on installations in new dwellings, hospitals, hotels, office and apartment buildings.

ROLSCREENS

• OF PELLA •

ROLSCREEN COMPANY, 722 Main St., Pella, Iowa

Please send illustrated booklet showing how Rolscreens can add beauty, convenience and utility to my home.

Name _____

Street _____ *City and State* _____

New Zinnias star on the garden stage

(CONTINUED FROM PAGE 63)

had been isolated to replace the old multi-colored mixtures usually planted before that time. Then one day in a field of Zinnias growing for seed he came across a plant with flowers so distinctly different from the flat form of the Giant type, in the form of both the individual petals and their arrangement in the flower head, that it immediately suggested a double Dahlia.

That was the beginning of the now universally known Dahlia-flowered Zinnia. It took several years to fix the type, and many more to develop and fix the separate colors, more beautiful than any that had ever before been known in the Zinnia world, which were developed from the original red-flowered plant. The Dahlia-flowered Zinnia was introduced to the public in 1919, and five years later, in 1924, received a Gold Medal and an Award of Merit from the Royal Horticultural Society, proving to be one of the sensations of the Show. It was the first time that anyone had dreamed of such an honor being conferred upon a Zinnia. Since then the names of Bodger and Zinnia have been, in the horticultural world, almost synonymous.

A DOZEN TYPES

Since the development of the Dahlia-flowered Zinnia several other new types have been introduced. Anyone who grows Zinnias, even though it may be but in a small way, and without special interest in different types and varieties, will obtain the most satisfaction by selecting a type adapted to the particular purpose for which he wishes to use it. Some dozen different forms are now quite generally offered. These are the Dahlia-flowered; the still newer Giants of California; the older Giant or Mammoth-flowered Doubles (*elegans robusta grandiflora*); the dwarf double or "Cut-and-Come-Again" (*elegans pumila*); the Pompon or Lilliput (a trade-butchered form of the word Lilliputian); Picotee; Victory, or Cactus-flowered; Curled-and-crested; Haageana, or Mexicana; and Single. No wonder there is talk of starting a National Zinnia Society!

Before attempting to point out briefly the differences in these various types and the purposes to which each is best adapted, I want to call the reader's attention to the newest of all, and the one which promises to become most popular as a really artistic flower for cutting. This is a cross between Picotee and Salmon Rose, a Pompon variety which since its introduction a few years ago has been increasingly popular as a florists' flower. The resulting strain, called Picotee Delight, offered this season for the first time, is of dwarf compact growth, extremely free flowering, with the individual blooms borne on tall and not too stiff stems, the slightly curled and ruffled petals rather informally arranged, thus eliminating the stiff appearance which has been the chief objection in most other types. Picotee Delight is a really dainty Zinnia! The colors also are delightful, including in addition to the salmon-pink of one of the parents, shades of lavender, light yellow, buff, tan and cream. By all means try this new Zinnia, whether or not you gr any of the others.

And now as to the different ty mentioned above. In making selecti height is one of the important thi to consider, especially if they are be used in the mixed border with o flowers. Varieties need not be tal up in much detail because, for so reason or other, most of the selec varieties of Zinnias are designa merely by color terms such as Rose, Orange King, Scarlet Fla Canary Yellow, White Gem, and on, which are self descriptive.

The Dahlia-flowered Zinnia is questionably the leading type of tod Growing three to four feet tall, making well rounded bushy plants produces immense flowers five to se inches in diameter and two to th inches in depth. Unlike most bri colored annuals the flowers, althou they change somewhat, do not fade with age. This type is equally des able for mass displays and for cutti if one likes giant-sized blooms of somewhat formal character of Decorative Dahlia. The colors lea nothing to be desired. Exquisite, deep soft old rose; Dream, a deep l ender, shading to purple; Polar Be pure white; Crimson Monarch, a g geous thing; and Oriole, extra la and one of the few with a two-to effect, coppery orange at the cen shading to golden-yellow, are amo the favorite sorts. Golden Dawn, y low, and Youth, a soft rose, seve shades lighter than Exquisite, are t of the newest.

The Giants of California grow s taller than the Dahlia-flowered, some sections reaching a height three to five feet; the full dou flowers are four to six inches acro but flatter and more loosely co structed than either the Dahl flowered or the old Double Giant Mammoth type; they are such a gr improvement over the latter that t have largely superseded it. Like t Dahlia-flowered the plants are tremely vigorous in growth, the stro branching laterals bearing full siz flowers until late in the season. Sca let Gem, a flaming scarlet shad orange at the center, and Orange Kin of much the same color as the univer ally popular Calendula of the sam name, are two of the finest varieti

TALL AND SHORT DOUBLES

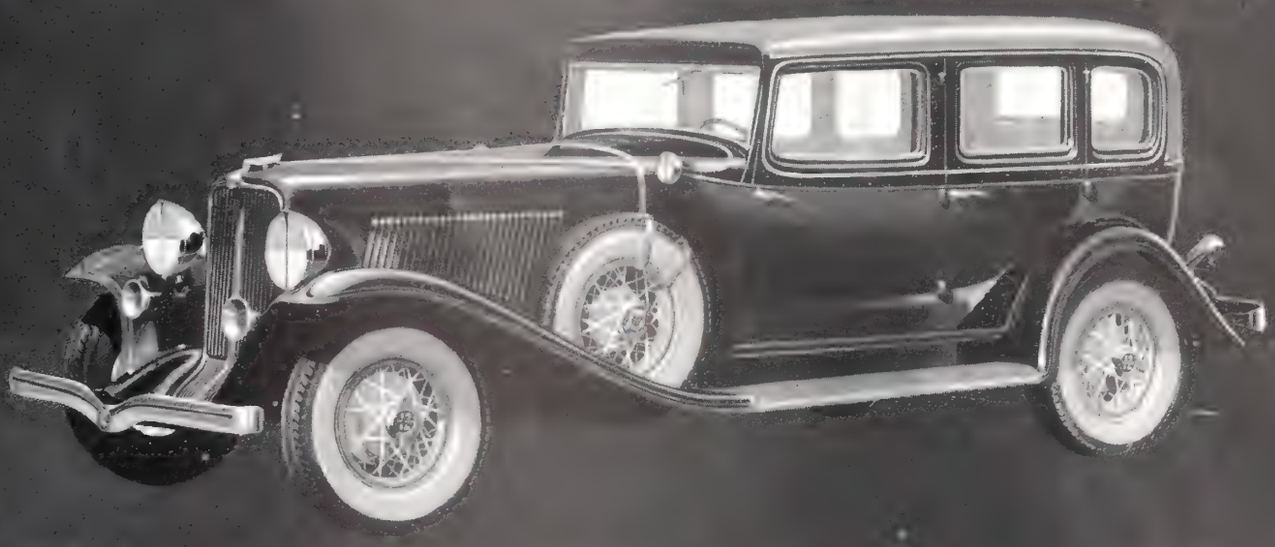
The Double Giant or Mammo type grows two to three feet tall, t flowers being rather flat and of regul stiff formation, in clear bright color Less valuable for cutting than eith of the preceding, it is excellent f mass displays, especially where a pla of medium height is required. Burn orange, Rose, Scarlet, and White a among the best of the named sorts.

Dwarf Double, or Cut-and-Com Again, growing eighteen to twenty-fo inches tall and making well rounde stocky plants producing flowers medium size but in the greatest pr fusion, on good long stems, is the be type for bedding for a continuous di play; its flowers are of medium siz with very high centers, almost as dee as they are broad, and last exce

(*Continued on page* 78)

AUBURN

NEW 160 H. P. TWELVE



Auburn introduces a new Twelve, with advantages obtainable in no other automobile. We promise you — It accelerates faster; runs faster and smoother; climbs hills faster and easier; than any other production car in America. . . . 133-inch wheelbase . . . L. G. S. Free Wheeling . . . Silent-Constant Mesh Transmission . . . Twist-proof X-frame.

Custom "Eight" and "Twelve" Models include:

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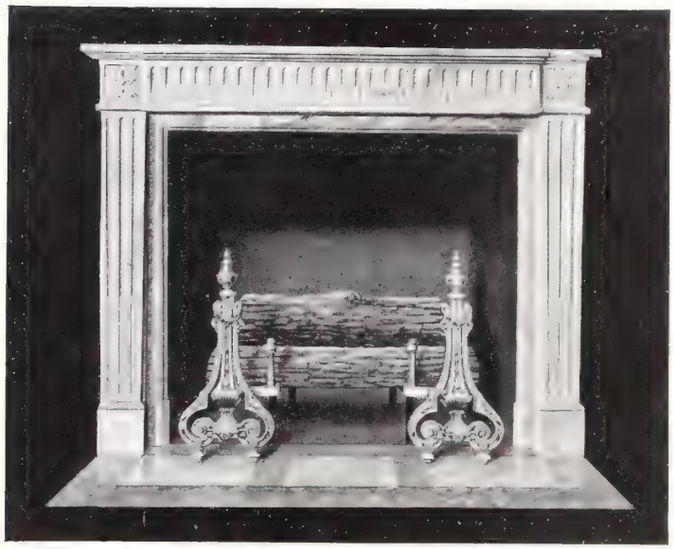
Revolutionary improvement; offers for first time, in one car, advantages of both high and low axle ratio

12

AUBURN AUTOMOBILE COMPANY, Auburn, Indiana—Division of Cord Corporation

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Mantels *and* Fixtures!



Authentic reproduction of a Louis XVI Mantel in Escalette Marble — closely veined, with beautifully blended pastel shades of cream, blue, silver-gray and buff . . . $275. Jackson Andirons of the same Period, richly finished in gold . . . $100

You have well-defined standards of value for the things you buy frequently—but when you set out to purchase Mantels or Fireplace Fixtures, you are apt to find yourself on unfamiliar ground.

Play safe! You *can* check values if you *shop before you buy*—and you will soon discover that Jackson Products offer you a reliable *standard of comparison*, both as regards price and quality.

The Wm. H. Jackson Company has been manufacturing and importing Mantels and Fireplace Fixtures for more than 100 years. No House in America has a higher reputation for design, materials and workmanship.

Whether you are looking for a rare Antique Chimney-piece; Modern Marble, Stone or Wood Mantels; Period Andirons; or other fine Fittings for your hearth, you will find Jackson values hard to match!

Wm. H. Jackson Company Products are on sale in most of the major cities in the United States. See list at left.

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(Supervision W. Jay Saylor)

Edsel Ford selects a Cotswold house

(CONTINUED FROM PAGE 56)

something . . . but before he could suggest the type of architecture, Albert Kahn interceded with:

"I think you ought to have a Cotswold house". And here Mr. Ford's determination changed to enthusiasm.

Mr. Kahn was sent abroad to study further those quaint structures and make sketches and photographs of many details. He had noticed that many of the larger houses were nothing more than the original building, to which additions had been built during the years of its existence, resulting in that peculiar, rambling appearance. The general plan or scheme, therefore, was designed in this manner. It was important to impart the feeling that the building was not merely designed coldbloodedly on the board, but that its picturesque roof heights and the varying building angles and natural lines should delight the eye.

The original Cotswold houses in England were built to withstand the extreme dampness peculiar to that climate. Their walls were unusually thick; the individual window openings often extremely small. Then the roofs were enormous. They were made of pieces of split stone like shingles, and the eave lines dropped down to within five or six feet of the ground. Mr. Ford wanted to keep as many of these features as he could and still have a modern, well-lighted home. All of the stone slates were imported from England and as the stone roofs over there are turned to an aged green tone by moss growing on them, a proportion of these from demolished buildings were mingled with those that were brought from Eyford. An expert was required to lay these stones in the manner peculiar to the original roofs, it was discovered, so a member of a family that had been engaged for generations in doing this kind of work was brought over.

In laying out the plan, Mr. Ford suggested that they have a small courtyard similar to one he had seen in England, whereupon he and Mr. Kahn began once more to go through the old tomes looking for inspiration. Finally, they found one that was just what was being sought, a court at Skipton Castle, Yorkshire. It was very informal, bordered on one side by a low stone balustrade; in the middle was a spreading Appletree. By detaching the picture gallery from the house and connecting it with a corridor, a court closed on three sides was formed, and on the remaining one a balustrade was introduced. Mr. Ford was so delighted with the result that he procured an Appletree and planted it right in the center.

The interior of his home is dignified, conservative and marked by a fine sense of good taste. Most of it is carried out in Georgian or early 18th Century English, and many of the decorative pieces were collected by Mr. or Mrs. Ford during their many trips abroad. The English staircase in the entrance hall was brought over from Lyveden Hall in Northamptonshire, and in the morning room that pleasing informality which they have always striven for is maintained by a carved pine mantel from Spitalfields.

The dining room is an exact expression in woods and fabrics of the Fords' deep-rooted tastes. The beautiful 18th Century paneling was dismanteled from the Clock House in Upminster, England, and brought over in sections. On one side is a stately mantel which looks as if it had mellowed with the pine paneling, while on the other is a row of leaded-glass windows reaching to the ceiling. From their large Queen Anne table the owners can view a magnificent panorama of Lake St. Clair, while dining in the warm light cast by candles in sconces on the wall—an illumination which Mrs. Ford prefers.

Pot gardens in California and the South

(CONTINUED FROM PAGE 41)

tropical effect of the fancy-leaved Caladiums. And on a shaded wall or wrought iron trellis, don't forget the numerous fine varieties of English Ivy.

A bewildering choice of flowering plants is offered the patio gardener—so many of them that final decision is often difficult to make. Sultanas, Petunias, Verbenas and a host of other colorful annuals are available, and so are the Hybrid Amaryllis in many hues, *Eucharis grandiflora* with its broad leaves and white, Narcissus-like flowers, and *Agapanthus africanus*, bearing clusters of handsome blue blossoms and dark green leaves. Good, all of these, and so, too, are the odd, brilliant-flowered Crab Cactus and the Weeping Lantana for sunny spots, and the lovely *Hydrangea macrophylla* where there is shade.

Of such may well be the inhabitants of the patio's potted garden, in company with Dwarf Polyantha Roses and, by all means, those gorgeous Kurume and various hybrid Azaleas which are among the true aristocrats of southern plantings. Worthy guests indeed, who, asking but moderate hospitality, repay it a hundred-fold.



FINER LIVING

in older homes—



To build and build again, to see the vision of our minds take reality in stone, timber or building blocks, has been the sport of emperor and small boy, the dream of bride and groom, and the avocation of us all.

And the progress toward finer living is shown in the building operation, from the small boy with his blocks making but a structural outline, to the man who has built before, and who includes every detail that will simplify life and increase the time for leisure.



To these experienced students of how to live comfortably, Bryant has appealed so effectively that in some neighborhoods half the homes use the Bryant method of househeating by gas.

But some families are established for sentiment or convenience in the older home. If that is your case, there is no need to deprive yourselves of the comfort and health now obtained so easily.



The Bryant Dualator will bring finer living to old homes as well as new. The Dualator pleasantly circulates warmed, filtered, humidified air at the proper rate in living rooms, and also furnishes steam heat in service and bedrooms. In summer the air circulating system operates alone, to filter and cool the air.

The Bryant Dualator is a steam boiler and an air conditioning chamber operating as a unit with one utilization of gas and one set of burners. Any proportion of warm air and steam can be arranged. The installation is practical and simple in old homes and new. Let us develop with you a plan for your present home.



Write for description of the Dualator and learn of the possibilities for finer living that it offers. The Bryant Heater & Mfg. Co., 17826 St. Clair Avenue, Cleveland, Ohio.



Makers of gas boilers, furnaces and air conditioning units. Specialists in utilizing gas to bring comfort into the home.

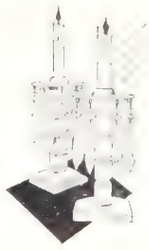
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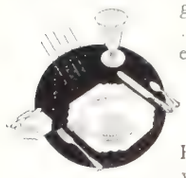
Lets your pup be your furnace man

THE GLASS OF FASHION



OUTRAGEOUS FLATTERY

Candlelight lends a plain face beauty . . . makes a lovely face still lovelier. Outrageous flattery! But what woman can resist it . . . or wants to? Particularly if the candles are held in these graceful Fostoria candlesticks! They add so much sparkle, so much glamour to the dinner . . . and they're *so* inexpensive.



MAYFAIR DINNER

Hostesses of the smart world are sponsoring a new and very lovely dinner mode. From cocktails to coffee, they now serve each course at the formal affair in Fostoria Glassware. And never have dinner tables been so colorful, so thrilling. The graceful service illustrated is Fostoria's Mayfair pattern. It comes in chaste crystal, or glowing shades of Green, Amber, Rose or Topaz. You can see this smart Fostoria service at any of the fine shops.



A VERSATILE DISH

This Fostoria iced-appetizer set enables you to serve, and serve in style, tomato juice, fruit, crabmeat cocktail, clam juice cocktail . . . in fact, any chilled appetizer you can think of. Each set consists of an individual ice-bowl and 3 containers of different shapes and sizes that fit into the bowl. They come in several lovely colors and, considering their versatility, are surprisingly low in price.



HOSTESS AUTHORITY

Hundreds of thousands of women seek the advice of Helen Ufford, Hostess Editor of Delineator. Miss Ufford is a very warm friend of Fostoria Glassware. And she always uses Fostoria in serving those extremely charming luncheons at which she entertains distinguished guests of the Butterick Publishing Company.

•

You'll be glad to know that Fostoria is a thrifty *purchase as well as a* thrilling *one. At the better shops. Write for booklet, "The Glass of Fashion," Dept. HG2, Fostoria Glass Company, Moundsville, West Va.*

Fostoria

New Zinnias star on the garden stage

(CONTINUED FROM PAGE 74)

tionally well when cut, the variety Salmon-rose being especially desirable for this purpose.

The Lilliput or Pompon Zinnias, twelve to fifteen inches tall, are literally covered with small, pompon-like blossoms an inch or so in diameter, held well above the foliage. For dwarf bedding, dwarf single rows, and cutting for table decoration or to be used with other flowers in bouquets where the Giant flowers would be too large, this is the type to select. The variety Scarlet Gem, also listed as Red Riding Hood, is exceptionally fine as a medium dwarf edging plant; Crimson Gem, dark crimson, and Golden Gem are other desirable named varieties.

Picotee is a new type especially desirable for cutting because of the dainty effect of the well built flowers which have notched petals, each tipped with a narrow edge of contrasting color. The plants are of medium height; the flowers are of medium size and sufficiently informal to be altogether charming. The still newer Picotee Delight has already been described.

In the Victory or Cactus-flowered type we have a distinct break, with the petals rolled or quilled as in a Cactus Dahlia; the plants attain a height of three feet, and the flowers are three inches or so across, in shades of salmon, pink, yellow and rose; very effective as individual specimens in the border as well as for cutting.

Frilled-and-crested is another new type even more informal in its make-up than the Cactus-flowered. It might be termed the Chrysanthemum-flowered Zinnia, each individual petal being curled and twisted, though they are fairly broad and not quilled as in the Cactus-flowered Zinnia. Although this type has never led in popularity it offers something out of the ordinary and really beautiful, in a truly artistic Zinnia. The flowers, three inches or more in diameter, are produced on sturdy spreading plants, a foot and a half to two feet tall and half again as wide.

In the very dwarf little *Haageana* or *mexicana*, growing but nine to twelve inches tall, we have an ideal low edging or ground cover plant, covered continually with small double and semi-double flowers with open centers, and often showing contrasting colors in the same bloom. There are also single and striped forms.

The culture of Zinnias is simplicity itself. Not only are they exceptionally free from insects and diseases, but no staking, tying, pruning, disbudding or special attention in the way of fertilizing is necessary to get them to grow to perfection. While they may be sown directly where they are to grow, thinning the plants out when the seedlings begin to crowd, it is more satisfactory to start them in a seed bed for transplanting later on. The taller growing sorts should be planted a foot and a half to two feet apart, so that a great deal of thinning out and consequent wasting of seed is entailed unless they are either transplanted from a seed bed, or planted in hills, four or five seeds in a place. In a frame covered with plant-protecting cloth or one of the glass substitutes, if glass sash are not available, they may be started in late April or early May. Before sowing in the open, one should wait until the ground is fairly warm—May or early June. While the mature plants will stand a good bit of cold weather, usually continuing to flower long after the first frost, the seedlings are not so hardy as those of many other annuals.

The seed germinates quickly, usually within ten to twelve days, and the seedlings grow rapidly. The best plants are secured by thinning out the seed rows so as to give two or three inches of space to each individual plant. Transplant to their permanent positions on a cloudy day or towards evening, and if bright weather follows, shade for three or four days until they become established. Usually they will grow right on without any appreciable check from transplanting. Provide plenty of plant food in transplanting, the best mixture for this purpose being high in potash without too much nitrogen.

As most of the varieties begin blooming within sixty to seventy days from the time seed is sown, it is well to make a second planting in late June or early July for late autumn bloom and for cut flowers. The plants are easily protected from extra early frost as they are strong enough to support cheesecloth or muslin thrown over them. The typical Zinnia colors are charming in the autumn garden.

House & Garden's bookshelf

SIMPLE COLONIAL FURNITURE. By Franklin H. Gottshall. Milwaukee: The Bruce Publishing Company.

THIS is a book of valuable information for a cabinetmaker who designs his own pieces. It is also a "find" for students in high schools, normal schools and vocational training schools where manual training is an important part of the curriculum.

Mr. Gottshall suggests new designs based upon authentic examples of the simpler Colonial forms. He has 38 projects fully explained by text and drawings of elevations and parts in detail, with dimensions clearly indicated. These projects include, among other pieces, chairs, tables, beds, cabinets, bookshelves, clocks and mirror frames.

As the Foreword says: "Every piece has a bill of material following the description and directions for making. The sizes given are finished sizes, and enough must be added to the length, width, and thickness of the stock to allow for the dressing to size and squaring. In each of these bills of material the thickness is given first, then the width, and lastly the length."

Mr. Gottshall says of the Colonists: "So well did they plan and build their

(*Continued on page* 80)



Don't trifle with a lady's affections!

Send the VALENTINE candy whose ...freshness you can see

IN CANDIES FOR HOME...FOR GIFTS...FOR ENTERTAINING



TABLEAU . . . newest and smartest of candy packages . . . yet amazingly uncostly! For Valentine's Day, these same fresh chocolates are packed in French heart packages.

HOW much more your Valentine Candy will mean, if it shows that extra thoughtfulness that women appreciate so much! If the freshness is perfect . . . the package modern . . . the candies utterly delicious . . .

Why take chances? There's *one* candy that never fails you! . . . Just insist on the name of *Johnston*. Then, there's no slightest possibility of disappointment.

Johnston offers assortments in infinite variety, for every taste and purse.

Johnston's CHOCOLATES

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JOHNSTON'S CHOCOLATES, Milwaukee, Wis.
Send free, "My 3 Smartest Bridge Parties."

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MAKERS OF VICKS VAPORUB ANNOUNCE

A New Plan for better "Control-of-Colds"



Made Possible by New Product Based on New Idea for *Prevention* of Colds

A quarter of a century ago, Lunsford Richardson, Sr., a North Carolina druggist, developed a new idea in *treating* colds—and with it Vicks VapoRub. Now, after years of research, Vick chemists have developed a new idea in *preventing* colds—and with it Vicks Nose and Throat Drops. These two are companion products—they aid and supplement each other. Together, they make possible the Vick Plan for better "Control-of-Colds" in the home.

Trial Offer to Vick Users

We believe that these two products—used as directed in the Vick Plan for better "Control-of-Colds"—will greatly reduce your family's "Colds-Tax" in money, loss of time and health. We believe this so strongly that we have authorized all druggists to sell Vicks Drops to any user of Vicks VapoRub on trial—to refund the purchase price if you do not find the Vick Plan for "Control-of-Colds" more than satisfactory in your home.

VICK CHEMICAL COMPANY

Lunsford Richardson
PRESIDENT



HERE, BRIEFLY, IS THE NEW VICK PLAN:

1. *Before a Cold Starts*

Watch yourself and your children when exposed to anything that you know is apt to bring on a cold, such as—

Contact with others having fresh colds—crowds, stuffy ill-ventilated rooms, public places—a night on a Pullman or a dusty automobile trip—sudden changes in temperature—inhaling smoke, dust, gases—excesses in living, such as over-eating or smoking, which reduce body resistance—after a hard day when you are over-tired.

Then—if you feel that stuffy, sneezy irritation of the nasal passages—Nature's usual signal that a cold is coming on—use Vicks Nose Drops at once—just a few drops up each nostril. Repeat every hour or so if needed. This will prevent many colds by stopping them before they get beyond the nose and throat—where most colds start.

2. *After a Cold Starts*

At night, massage the throat and chest well with Vicks VapoRub (now available in white "stainless" form, if you prefer). Spread on thick and cover with warm flannel. Leave the bed clothing loose around the neck so that the medicated vapors arising can be inhaled all night long.

If the air-passages are badly clogged with mucus, melt some VapoRub in a bowl of hot water and inhale the steaming vapors for several minutes. (If there is a cough, you will like the new Vick Cough Drop—actually medicated with ingredients of Vicks VapoRub.)

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(CONTINUED FROM PAGE 78)

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The book concludes with a short chapter upon "Furniture Finishing" which contains a great deal of excellent information in small space.

G. G. G.

PORTUGAL FOR TWO. By Lawton Mackall. New York: Dodd Mead Co.

A COUNTRY rich in color and picturesque interest that is not overrun by the Baedeker and camera clan, obsequiously pilfered by avaricious hotel- and shop-keepers, at first sounds suspiciously like the tall tale of an over-imaginative travel tour copywriter. Yet, on second thought, the mere idea of Portugal as a place to include in one's European itinerary is so new that there does seem to be the possibility of truth in this picture, drawn by the author of one of the most delightful travel books that has ever come to hand. Indeed, the excellent descriptive manner in which the book is written and the skill with which a travel tour is made to seem a thrilling adventure urge one to take it off the travel shelf and put it among volumes devoted to adventure.

Bound for Seville, Mr. Mackall out of simple curiosity decided to stop off at Lisbon for a few days. But so taken was he with the city and the surrounding country that, in his own words, he "hardly got to Seville at all." In the most glowing terms the foreword outlines why he decided to prolong his stay to seven weeks. Then when we get into the book itself, the details of his extended tour prove the adjectives of the foreword were not unmerited.

As all good books of travel should be, this one is profusely illustrated with photographs that go hand-in-hand with the text. And we wager the interest in Portugal which both photographs and text will engender will be so strong that many who read it will later put it to an additional use—as a handbook of where to go in this country.

J. F. H.

PORTRAITS IN POTTERY. By Albert Lee. Boston, Mass: The Stratford Company.

MANY books come to a reviewer's desk and are read as part of a "job of work". Then there is the occasional book which, after he has read a few pages, entices the reviewer to leave the desk and settle himself with a pipe in his favorite armchair for an enjoyable interlude. Such a book is Mr. Lee's *Portraits in Pottery* and, although for the purpose of these remarks we have already known several pleasant hours from its pages, we intend to read it again untrammeled by the necessity of taking reviewer's notes.

One outstanding feature of this work is the long and careful study which the author has given his s ject. Yet he has been watchful to av roaming into those fields of stil technicalities which ever seem so tractive to many writers on similar s jects, but which unquestionably ten retard the interest of the larger gr of readers. Rather, this book is an i mate story by a collector who, writ of his treasures, leads his readers al the several pleasant paths he has f lowed in his numerous quests. And the writing he weaves in many an dotes as well as much authentic inf mation which places this work amc the more valuable sources of referen

In his search for additions to his c lection, Mr. Lee has obviously garne and noted much concerning these int esting objects which will prove enlig ening to others. The United Stat France, Italy, and England must ea have been fairly thoroughly combe and the incidents which have attend the various "expeditions" are both e tertaining and instructive. These M Lee has related as they occurred a their introduction is a novelty whi other writers might well adopt; b cause by this means he has eliminat any suggestion of academic prosine which, otherwise, is so apt to creep in a book of this kind.

This unusually interesting narrativ and in speaking of it as a "narrative" we do so because of its unbroken co tinuity and the pleasant style in whic it is written, is illustrated by more th two hundred examples of various form of portraiture and figure subjects pottery and a few in porcelain. The illustrations clearly show that nothin in the form of portraiture, as i terpreted by the early potters, h escaped Mr. Lee's notice. From Roya ty and Presidents to Reform Jugs an Peruvian huacos, each has received a tention and many a one is the sour of some little episode which reflects th pleasure of personal collecting as di tinct from acquiring rare specimen merely because it happens to be fash ionable.

If it has been Mr. Lee's intentio that the several incidents, he describe should serve as mediums to convey ad vice to others, then he has assured succeeded. There are the stories of th Queen Victoria and Prince Albe flasks; the Napoleon with the side whiskers; the pantalooned dealer a Ragusa. Equally wise counsel can b found in his references to the inevitabl visits to Caledonian Market and to th "prowlings" around other parts of Lon don and rural England; and to similar forays in and about Paris and rura France. In fact, Mr. Lee's searches have been so widespread that this book is an excellent mentor of where to go as well as of what to do to avoid pit falls in those purlieus where the spe cious seek to ensnare the unwary.

This author's powers of observation cannot be other than remarkably de veloped and trained, a fact evident from his treating with several phases of his subject, which are to a large extent overlooked by the average collector. For instance, most of us would regard two like portrait figures as a pair, not so Mr. Lee, who points out that "to be a pair the objects must face each

(*Continued on page* 82)

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House & Garden's bookshelf

(CONTINUED FROM PAGE 80)

other or balance each other in composition". Then, too, he speaks of the necessity to notice the dress of a figure as a safeguard against self-deception.

He quotes, as an example of the latter point, the toby jug alleged to be a portrait of Benjamin Franklin, but which is doubtless a likeness of Mr. Pickwick; also the careless or deliberate mis-labeling of figures such as the two Franklins in the Metropolitan Museum of Art, each of which bears the inscription "General Washington" on the base, this error, of course, having been made by one of the English potters. It is in these numerous references to such minor details connected with early pottery portraiture that the author exhibits his quite unusual insight; and this record of knowledge gained over the course of years cannot fail to attract and hold the attention of those interested in the work of the early clay modelers.

Rarely does a writer succeed in relating, so entertainingly, a story combining his travels with his personal hobby, the while imparting to his readers the information which experience has brought to him. Even if one has no very pronounced predilection for pottery figures or for any other branch of ceramics, this present book touches upon so many aspects of travel, treats lightheartedly with so many accidents and incidents of collecting, dealing kindly with the frailties of human nature that few are there who could not read its pages and know the pleasure which your reviewer has enjoyed from this "job of work".

EDWARD WENHAM.

THE GARDEN HANDBOOK. By Mary Rutherfurd Jay. New York: Harper & Bros.

A BRAND new kind of garden book is too rarely achieved to be passed over lightly, especially when its chief subject matter is design, perhaps the least understood side of popular horticulture as far as the layman is concerned. Here is one reason for drawing particular attention to Miss Jay's recent volume. That such attention will be well rewarded testifies to the author's professional knowledge and the skill and ingenuity with which she transmits it to the reader.

Miss Jay is a prominent landscape architect with an unusually broad grasp of design built upon long personal study of and experience with the garden art of other countries besides our own. Indeed, her foreign studies form the main basis of the book, Part I of which treats concisely the garden types of some fifteen European, Asiatic and South American countries. Part II takes up detailed types such as courtyards, dooryards, estates and hanging gardens. Then in Part III come the American adaptations of the foreign designs, followed by excellent appendices in which are lists of plants for special places and conditions, tabulations of height, color and season of various species and much other practical and highly valuable information.

The general plan of the book is commendably lucid and compact. No space is wasted in abstruse theorizing; Miss Jay's idea has been to show numerous photographs, each of which serves as an object-lesson in certain principles which the accompanying text clearly points out. She offers no ten-minute shortcuts to designing skill—an obvious impossibility. Instead, she presents an analyzed, well-defined world background, coupled with wisely chosen pictorial demonstrations of the principles involved, which cannot but be of interest and unquestioned helpfulness to all who will follow her plan intelligently.

There is a real place for this book, not only among those who are definitely desirous of understanding good design, but also those less thorough gardeners who merely like to see good photographs and descriptions of pleasing plantings, large and small.

R. S. L.

FIELD BOOK OF COMMON GILLED MUSHROOMS. By William S. Thomas. New York: G. P. Putnam's Sons.

HERE is another of the Nature Field Books in the series being published by this company. Dr. Thomas has brought together in a condensed, simplified form material from authoritative American sources, and out of his own long experience in the study of the common gilled Mushrooms has adapted that material to the needs and size of a field book for the pocket. It is a concrete study of one hundred and twenty-eight species. While the book is thus limited in the number of species studied, it includes many kinds not known to most Nature students. The Mushroom hunter who gets a thrill out of finding one of his favorite Mushrooms ought, by the use of this book, to make many new, happy discoveries. For here is the clear and usable means of enlarging one's acquaintance with the most desirable table varieties and at the same time of guarding against the poisonous and other undesirable kinds. To the uninitiated in the study of the fungi, this book offers attractive inducements to get out into the woods and pastures during the Mushroom seasons and to discover a new world of interest in Nature.

This book so completely fulfills its purpose as a popular guide that there seems to be nothing desirable to add to it. It tells us how these gilled Mushrooms propagate themselves in the wild; where and when to find them; how to collect and prepare the edible varieties as savory dishes, giving many specific recipes for cooking them. By far the most difficult and important matter treated in the book is that of the identification of the species. This need of the student is met in an original and very thorough manner by the use of a key arranged in a series of tables based upon easily recognized features of the Mushrooms. There are clear instructions how to use the key, and a full descriptive text for each species, the specific texts being referred to by numbers in the key tables. In addition there are black and white pictorial keys, spore keys, many photographs taken in the field, and each species portrayed in the beautiful color-plates by Miss Mary E. Eaton of the New York Botanical Garden.

H. J. J.

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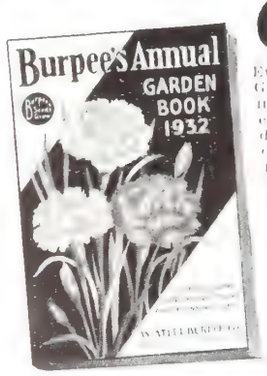
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The garden scrap book

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Hosts of gardeners [illegible] more than an hour [illegible] have one for [illegible] word [illegible] culture. The [illegible] really looks on [illegible] practically [illegible] can get [illegible] which [illegible] ed greenhouse under the critical eyes of expert [illegible]

It comes almost [illegible] fore, to learn that a completely practical little [illegible] with flowering plants of [illegible] varieties, can be [illegible] a hundred dollars and [illegible] practically nothing. The house is really a glass case [illegible] somewhat less in height and depth, mounted [illegible] throughout so that it fits acceptably in any living room, sun parlor, conservatory or other indoor place where furnishings are good and growing flowers desirable.

The device is eminently practical and, if the simple directions are followed, will keep the plants for years. An electric heating unit, thermostatically controlled prevents the temperature going too low on cold nights. Proper humidification is provided by [illegible] so that not even an excessively dry house atmosphere will harm the plants. As many as a dozen plants can be accommodated in the case, and the company offering it, [illegible] terns in this country, carries a great many varieties in a wide price range.

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A [illegible] Cacti—past, present and future—will be keenly interested in a recently introduced hardy species known as the Mexican Flame Ball, native to the high mesas of the Sawtooth Range and now [illegible] Schling Seedsman. It is a most distinctive sort, not alone for its size, armor spikes and coloring, but also because of its adaptability to year-round garden use as well as indoor conditions. A description gives but a meagre idea of its appearance:

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(Continued on page 87)



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for autumn
for years

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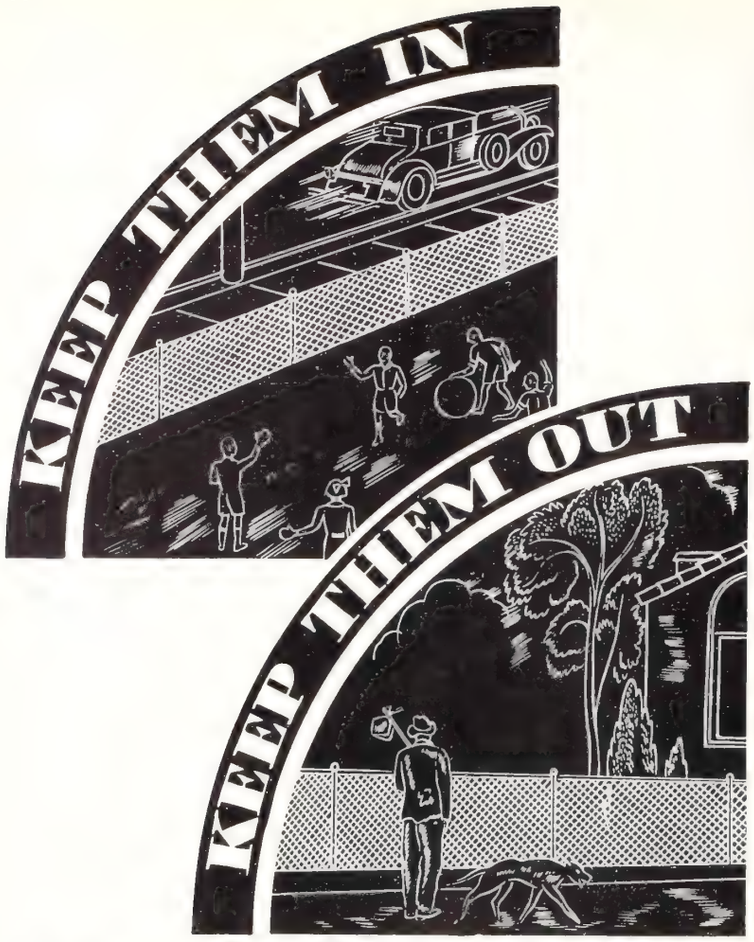
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While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.

The garden scrap book

(CONTINUED FROM PAGE 85)

the surface be real crusty allow to their normal condition. In severe it is further advanced by a layer of leaf-blown sand, excellent material for delicate seedlings. Agar-agar, the stump plant is because tool ought to be well as cold and can be kept for months without reproduction.

Indoors, the Mexican Dahlia ball shares its best qualities with individual bowl or pot (don't water it a good deal to start). Put in a light, but this is not essential. Keep well damp. In the outdoor garden or desert garden it should be set in inches of sand overlying soil. Be sure ter, bank dry leaves or straw about the ball.

These odd plants grow very slowly —perhaps a quarter of an inch a year. One I've watched here is probably at least twenty-five years old, while one of six feet (above ground that size eventually) is several times a centenarian.

THE FIRST GARDEN WORK. February is not too soon to consider the various impedimenta for early seed sowing, especially if you are one of those wise gardeners who have a cold-frame or two for this and numerous other purposes. By the end of the month the rest of the seeds can be in and by mid-March the operation can be well under way.

FIRST and most important is the selection of your seedbed soil. A good loam with plenty of rotted leaf-mold in it, and one-third sand. Let this be finely screened to remove lumps and pebbles and as a precaution against insect and disease troubles, saturate it with boiling water a few days before use. Needless to say, you should also have small wooden labels which can be thrust into the soil to mark the exact location and identity of the seeds after sowing.

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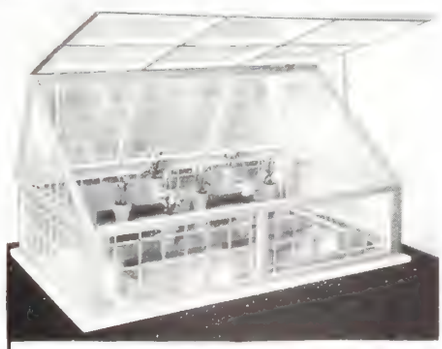
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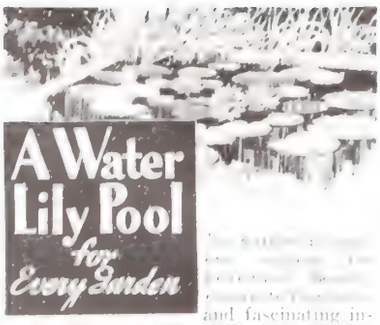
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City

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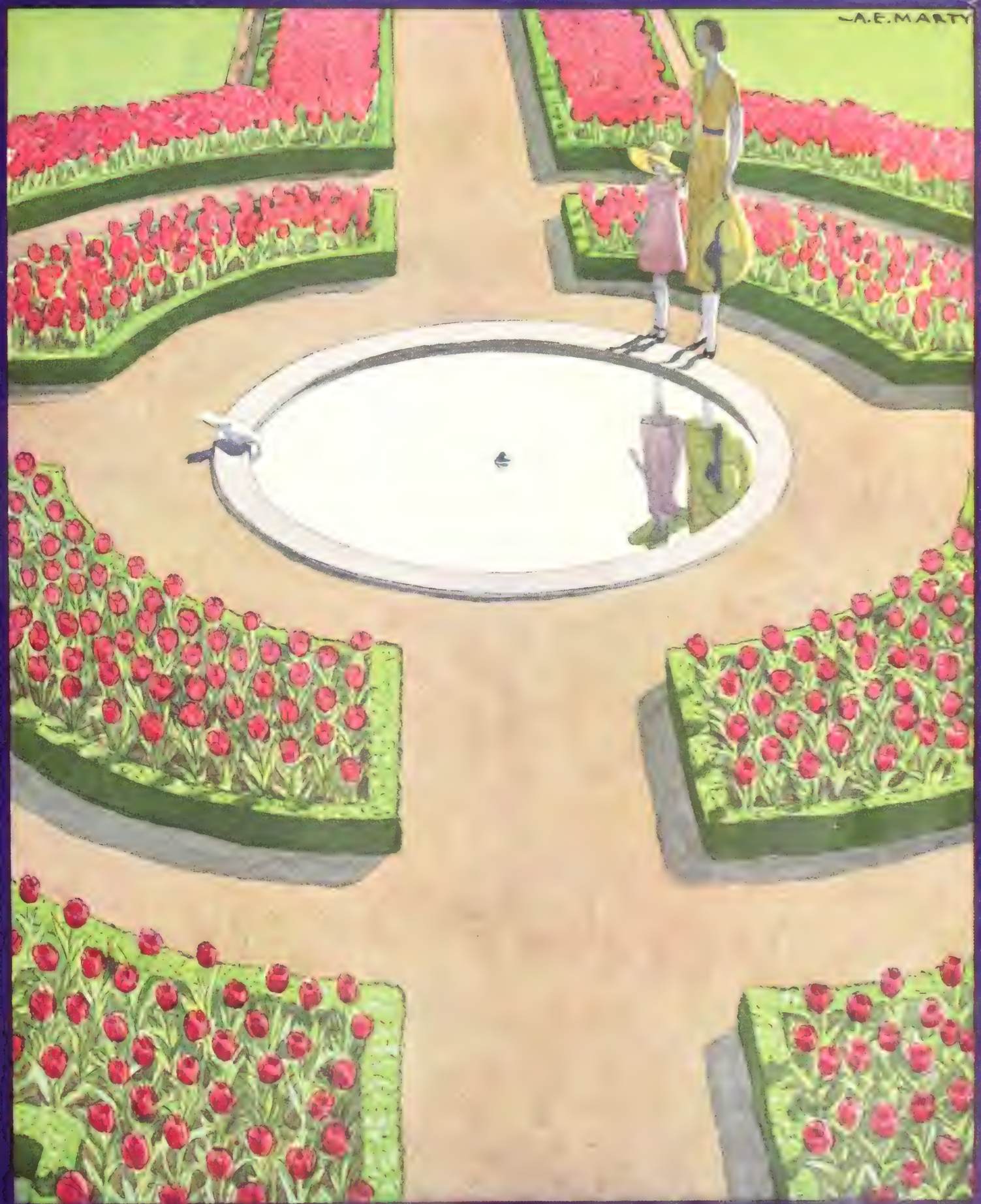
Supplement the usual telephones—in library, hallway, kitchen, garage—with other telephones in the places that young people frequent. The game-room. The sun porch. Their own bedrooms. Then when there's ping-pong, bridge or a dance under way, calls can be made without rushing upstairs or down, without disturbing other members of the family . . . and with full privacy for youthful confidences.

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HOUSE & GARDEN

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pring Gardening Guide · March, 1932 · Price 35 cents



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Remember, more than three people purchase Buicks for every one who buys any other eight of its price, and fully eighty-nine per cent of Buick owners buy Buicks again and again . . . solely because Buick gives *superlative satisfaction,* and continues to give it with unvarying reliability for 200,000 miles and more.

You will be interested in discussing motor cars with the Buick owners you know. One after another they will tell you, "Our choice at any price is Buick."



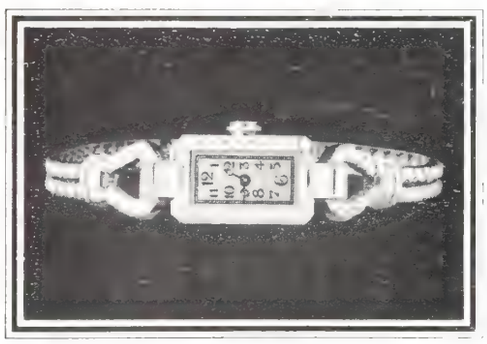
Buick offers twenty-six luxurious models, $935 to $2055, f.o.b. Flint, Michigan, providing a complete range of selection for families desiring Buick Eights.

Tune in on Frank Black and the Revelers, and the Buick Orchestra . . . every Sunday at 9:45 P. M. E.S.T. over the NBC-WEAF network . . . also General Motors "Parade of the States" on Monday evenings, 9:30 P. M. E.S.T.

THE NEW BUICK *with* WIZARD CONTROL

TIFFANY & CO.

JEWELERS SILVERSMITHS STATIONERS



Diamond Jewelry
Noteworthy Quality

MAIL INQUIRIES RECEIVE PROMPT ATTENTION

FIFTH AVENUE & 37TH STREET
NEW YORK
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The exquisite product of almost a century of experience

WALL PAPER *by* BIRGE

"TO PAPER OR NOT TO PAPER" *is not the question any more. The economy of wallpaper, its warming, cheery influence have put plain walls to flight.*

BIRGE *wallpapers are the exquisite product of nearly a hundred years of experience. To our studios flow each year the designs of the world's best artists in this special field. And the result shows each year in the new* BIRGE *line, an annual showing of beauty and good taste to which a fastidious public has always responded.*

Be sure to ask your decorator to let you see the BIRGE *collection of wallpapers. No home decorating project is complete without this brilliant review of the world's finest papers.*

If you would put in the coupon we stand ready to send you full information in reference to BIRGE *creations. We invite you, also, to consult freely with us on your decorating problems, where our experience with wallpapers might be of assistance to you.*

M. H. BIRGE & SONS CO.,
BUFFALO, N. Y.

Please send me, without obligation, full information in reference to BIRGE *creations.*

Name _____

Address _____

M. H. BIRGE & SONS CO.

BUFFALO, NEW YORK

MAKERS OF FINE WALLPAPER FOR NEARLY 100 YEARS



THE AUCTION METHOD

AT THE

AMERICAN ART ASSOCIATION-ANDERSON GALLERIES · INC

ESTABLISHED nearly fifty years ago, the American Art Association-Anderson Galleries has built up an edifice of public confidence and satisfaction in the auction method as a means of acquiring fine period furniture and decorations.

CONSIGNED for sale by private collectors, estates, and reputable dealers, collections of furniture, silver, bronzes, porcelains, tapestries, rugs, brocades, velvets, etchings, and paintings, after due process of selection to maintain high standards of condition and quality are

CATALOGUED fully and critically by competent men on our permanent staff who identify period and design and properly note restorations and imperfections.

EXHIBITED in our spacious well-lighted Galleries, collections are arranged by our expert decorators to bring out the possibilities of individual pieces and groups, crystallizing schemes of decorating, and finally

SOLD under conditions of free and open competition to the highest bidders, in an environment of comfort and refinement.

Pre-sale exhibitions are, of course, free and open to the public and extend usually during the week before the auction sale. Approximate valuations of pieces as a guide to bidding may be had from our Gallery staff members without obligation. THE AMERICAN-ANDERSON NEWS *published monthly October–May will keep you in touch with our current exhibitions and sales, and will be sent free on request.*

AMERICAN ART ASSOCIATION-ANDERSON GALLERIES · INC

30 EAST FIFTY-SEVENTH STREET · NEW YORK



The Symphony After Dinner Coffee Service *Lady Diana* *The New Symphony* *Louis XIV*

SEE THESE PATTERNS IN YOUR OWN HOME BEFORE YOU DECIDE

Ask your jeweler for them, or send to us for a private "Bride's Pre-view Showing"

YOU only choose your silver pattern once in a lifetime. Be sure to see the style and sparkling beauty of these Sterling patterns on your own linens. Handle the knife and fork, as well as the spoon, for only then can you know their comfortable, well-balanced feeling in the hand. Each design harmonizes pleasingly with the linens and table appointments of today.

How can we describe to you the flawless finish which characterizes TOWLE Sterling. Our craftsmen only achieve it by precise methods and unusual care. We are very proud of it. If this seems egotistical, or "just advertising," please don't take our word for it. Ask a good jeweler, one who knows his Sterling. He will tell you, too, that we are the largest silversmiths who make Sterling only — with craft traditions back to 1690.

TOWLE patterns have an exclusive style and fine workmanship *which is built up to a standard, not down to a price!* Yet Lady Diana and Louis XIV are priced 20% to 25% lower than two years ago, and the very new SYMPHONY is priced the lowest of any new TOWLE pattern in the last sixteen years.

Again we urge you — see these patterns in your own home. Let the silver speak for itself, as it will have to for all the years you are going to use it on your table. TOWLE patterns are open stock. You can add to your set for many, many years.

THE TOWLE SILVERSMITHS

NEWBURYPORT, MASSACHUSETTS



DEPT. HG-3 *Towle & Son, Inc.* "BRIDE'S PRE-VIEW SHOWING." *I understand that this includes Emily Post's* "BRIDAL SILVER AND WEDDING CUSTOMS," *on the newer wedding conventions, a folder of engravings and prices, and a test piece in the* _____ *pattern, engraved with my initial* _____, *in the style checked at right.*

☐ Script ☐ Old English ☐ Modern

Name

Address

My jeweler is



EASTER
à la SCHRAFFT'S

• One look and you lose your heart. Two looks and your mouth waters. Three looks . . . *sold!* The cottontail bunny *(upper left)* carrying sweets, $2.00. The sunbonnetted duck, bearing candy, $2.75. The three jolly eggs, filled with Luxuro Chocolates, reading left to right, are $5.00, $3.00, $1.00.

• Below the eggs, a sweet rabbit perched on a Lenten bar of chocolate, 75c. *Center*, an Easter nest with goodies and a bunny, $2.00. (Others from 75c to $5.00.)

• Three boxes of candy—perfect for Easter or any other time. The Hard and Chewy Selection, $1.25 lb. *Open*, Thin Chocolates (dainty thin cream and nut pieces) $1.00 lb. *Below*, the Gold Chest—a copy of the original Mazarin Chest in the Louvre—filled with finest diminutive Luxuro Chocolates (one pound only) $2.00. Other Schrafft's candies and chocolates from 60c to $2.00 the pound.

• The Gift Basket, brimming with delectable Easter sweets in bewildering variety, $15.00. Others from $5.00 to $25.00.

• All these can be ordered at the Schrafft's stores in New York, Boston, and Syracuse. Mail orders should be sent to Schrafft's, 556 Fifth Avenue, New York.





Their chimes bring you melodies from the singing spires of the old world



MIDLAND — *Case of finest Honduras mahogany in Georgian design. 74 inches tall. Deep-toned Westminster chimes.* $175.

ALMOST any tower in the old world has a set of soft-toned bells. Day after day, they mark the hours with music. And listening men find fresh content.

From all of these, Revere has chosen the three most lovely melodies — Westminster, Canterbury, Whittington — and placed them in fine clocks for your home. Their soft, rich resonance sounds every quarter-hour and strikes the hour as well. The cases that enclose them are wrought of choice woods — mahogany, rosewood, satinwood, ebony—in authentic period designs. Their friendly faces show moon-phases or quaint engravings, besides the time.

And it is *true* time, for every clock contains a tiny Telechron motor that runs silently, accurately on regulated current from your electric outlet. You never need wind it or regulate it.

Strike-and-chime models range in price from $22.75 to $650 — silent models as low as $5.50. Dealers are listed under "Telechron" in the classified telephone directory.

WARREN TELECHRON CO., ASHLAND, MASS.
THE REVERE CLOCK CO., CINCINNATI, OHIO

Telechron

Reg. U. S. Pat. Off. by Warren Telechron Co.



TELALARM — *Non-tarnishing case. Pleasant alarm.* $8.50. *With illuminated dial.* $9.95. *In ivory, green, blue or orchid.* $8.95.



R-818 — *Mahogany case, with decorated glass door. Early-American design. 15 inches high. Westminster chimes.* $48.





Beauty that Eternally Endures

Smooth grace and a certain suave sophistication mark the modern manner —in clothes, in people, in decoration. In silverware, AMERICAN DIRECTOIRE has captured this spirit. This design has the classic simplicity which is perennial—the dash which is essentially today. And, like all TREASURE solid silver, it has the quality of genuineness which sensitive people value—the beauty which becomes more precious as it grows more familiar. And, through all the shifting standards of taste and times, Sterling remains Sterling—one of the better things of life that eternally endures. There is a jeweler near you to show you this lovely new pattern. Write us for his name and your copy of "The Modern Way to Choose Your Silver". Address Dept. B-7.

"Treasure"
Solid Silver

TRADE R MARK

STERLING 925 1000 FINE

ROGERS, LUNT & BOWLEN CO. · *Silversmiths* · GREENFIELD, MASS.



BAB: But Mary! How *stunning* this room looks! Have you been spending precious money on new furnishings?

MARY: No—look again—it's just the walls.



BAB: So that's it! Wallpaper! But where *did* you get such a darling pattern?

MARY: It's from Thibaut's . . . you *must* see their sample book . . . their new designs are *really* beautiful!



BAB: It looks awfully expensive . . . was it?

MARY: Sh! Not a word . . . that's the biggest thrill of all . . . the wallpaper for the whole room only cost me $9.50!

Drop in at any Thibaut shop and see the largest collection of wallpapers in the world . . . authentic period patterns of Colonial America, old French and English designs and creations of living artists. The new 1932 wallpapers are lovelier than ever. Many of the choicest are those of modest price. Ask your decorator to show you his samples. Or, if you prefer, we shall be glad to loan you our special sample collection, at no charge . . . you merely hand the postman who delivers it $1, which is refunded when you return the book.

Write to Richard E. Thibaut, Inc., Dept. K1, 24 West 40th Street, New York City.

THIBAUT

WALLPAPER AND DECORATIVE FABRICS

NEW YORK • BOSTON • NEWARK • BROOKLYN • BRONX • NEW HAVEN • UTICA • BUFFAL

New 160 H. P. TWELVE

$1345

Our aim for this new Twelve is, to enable owners to enjoy a performance combining speed, power, smoothness and economy, the like of which they have never experienced. And—to make it available at a price that will force a complete revision of standards for comparison of values. Dual-Ratio gives the equivalent of two axles in one. It takes the "compromise" out of automobiles. You shift gears the same as now. Turn a lever on the instrument panel to Low. This gives pep for lightning acceleration and power for sailing up hills. Turn the lever to High. This gives speed with smoothness and economy—with less vibration and noise—with minimized wear and tear for driving on level roads, on the boulevard, or in the country. We promise you this performance will amaze you.

DUAL-RATIO in Custom "Twelves" and "Eights"

AUBURN

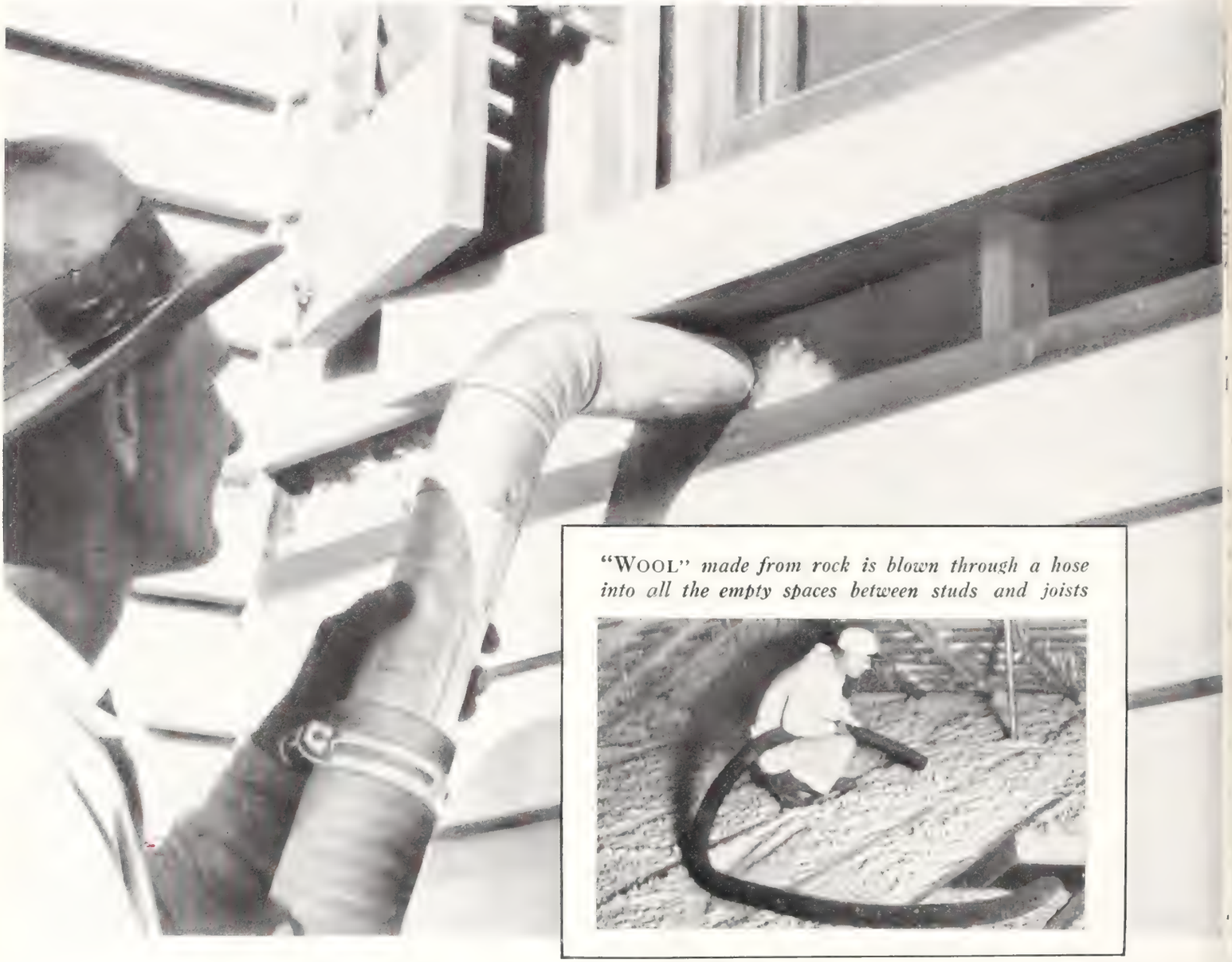
POWERED BY LYCOMING

Auburn also offers improved Straight Eight models

AUBURN AUTOMOBILE COMPANY, Auburn, Indiana. Division of Cord Corporation

Standard Models 12-160: Business Coupe $1345; 5-passenger 2-door Brougham $1395; 4-door Full Sedan $1445; Convertible Cabriolet $1495; Convertible Phaeton Sedan $1595; Speedster $1595. Custom Models 12-160A: Business Coupe $1545; 5-passenger 2-door Brougham $1595; 4-door Full Sedan $1645; Convertible Cabriolet $1695; Convertible Phaeton Sedan $1795; Speedster $1795. Prices f. o. b. Auburn, Indiana. Standard Models 8-100: Business Coupe $845; 5-passenger 2-door Brougham $895; 4-door Full Sedan $945; Convertible Cabriolet $995; Convertible Phaeton Sedan $1095; Speedster $1095; 7-passenger Sedan $1145. Custom Models 8-100A: Business Coupe $1045; 5-passenger 2-door Brougham $1095; 4-door Full Sedan $1145; Convertible Cabriolet $1195; Convertible Phaeton Sedan $1295; Speedster $1295; 7-passenger Sedan $1345. Prices f. o. b. Connersville, Indiana. *Equipment other than standard, all models, at extra cost. All prices subject to change without notice.*

REVOLUTIONARY



"WOOL" *made from rock is blown through a hose into all the empty spaces between studs and joists*

Hundreds of Enthusiastic Letters like these come from Home owners—

37% less for fuel

"I am very well satisfied with the insulation work done by your company.

"Comparing the month of March with the same period last year, I found that there was a reduction of 37% in the cost of heating. I also found that during the hot months of last summer the house was much cooler than it had ever been previously." Anna J. Peterson, *Chicago, Ill.*

Warm as toast in winter

"The insulation job you did is certainly wonderful. The two large third-floor rooms are now as warm as toast with the insufficient radiation that had previously made them useless in winter. The comfort of the whole house is undoubtedly improved by the elimination of drafts and there has been a substantial saving of fuel."

Frank R. Hubachek, *Glencoe, Ill.*

Third floor cool in hot weather

"The third floor, while it has full-height ceilings in the two rooms and a large hall and bathroom, has always been very hot and could not be used by my family for days at a time during the hot weather in summer. This has been overcome since the insulation has been put in, and the third floor is now as comfortable as the other floors." C. T. Ozmun, *Evanston, Ill.*

Summer comfort, winter comfort

"Heretofore our upstairs rooms have been so hot in summertime that they were unbearable. This past summer, with the insulation above the ceilings in the attic, the rooms were remarkably comfortable. While we have not had much cold weather this year, the difference in the temperature of the upstairs rooms this winter so far has been very marked. There has been an even temperature in these upstairs rooms about equal to that of the downstairs rooms, which never occurred before."

Wm. D. Kyser, *Memphis, Tenn.*

Best investment ever made

"In mailing you the check for the installation you did on our house, I want to say that we feel that we have received more solid comfort and satisfaction from this investment than any we have ever made.

"It is not the saving in fuel alone, but the comfort of having the house the same temperature in every room under all weather conditions."

Mrs. H. B. Kinnard, *Des Moines, Iowa.*

Heating plant reduced 50%

"I am very glad to say that our two years' occupancy have amply verified all of the claims you made for the heat, cold and sound insulating qualities of this material.

"Because of this thick insulation, my house heating plant was reduced by nearly 50% in size, and yet it has easily kept the indoor temperature uniform at all times, regardless of the wind velocity and temperature outside. It is indeed a pleasure to endorse this most efficient heat and cold insulation."

Loring L. Marshall, *Boston, Mass.*

Worked wonders

"The Johns-Manville insulation certainly worked wonders on those hot days this past summer. Personally I feel that it is money well spent and my only regret is that I did not have this installation made at the time the house was built."

Walter L. Leach, *Homeland, Md.*

JM

Johns-Manville

NEW METHOD OF

Banishing Winter Cold and Summer Heat

WINS NATION-WIDE APPROVAL

Thick blanket of "wool" made from rock—*blown* within walls of old or new houses in a few hours, without disturbance . . . Fuel savings average 30%

PERFECTED by Johns-Manville as a result of pioneer work in efficiently insulating great industrial plants

—installed and proved in thousands of homes during the last 4 years

—A new method of making houses practically cold-proof and heat-proof is creating a sensation wherever it is tried.

Rooms that are drafty and cold in winter —rooms that are stifling hot in summer—become uniformly comfortable.

Fuel savings average 30%.

Yet the method is so simple that it takes only a few hours to put into effect—so obviously *right* that it takes only a few moments to understand and be convinced.

Comfort blown through a hose

Practically all houses have hollow walls. Circulation of air *within* these walls chills the house in winter, heats it in summer. Comfort is lost, fuel wasted.

Attic floors are equally, if not more, to blame. The attic becomes oven-hot in summer, refrigerator-cold in winter—and this heat or cold readily penetrates through the floor into rooms below.

Yet the 4- to 6-inch air space within the walls and attic floor—the real cause of heat-and-cold trouble—is easy of access. Why not fill it up?

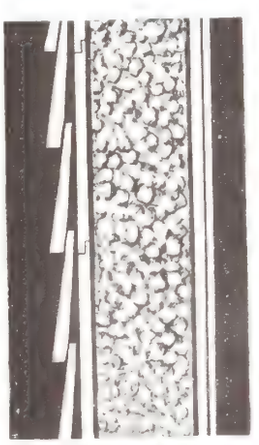
That's what Johns-Manville does in a few hours—blowing the material through a hose. In your present house, without entering the living rooms or disturbing the occupants. Or in the house you are building.

"Wool" made from melted rock

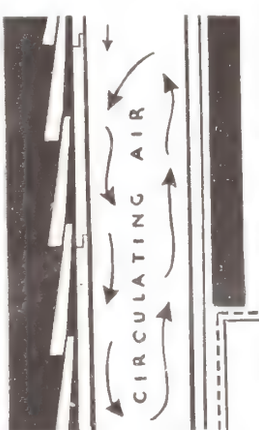
Johns-Manville uses "wool" made from melted rock—long, fine fibres, light in weight and wool-like in appearance. These woolly fibres, matted together, imprison thousands of dead-air cells to the cubic inch—an effective barrier against heat and cold.

Every cubic inch of space within your outside walls and attic floor is filled with this material. A 4- to 6-inch blanket around and over *all* your living rooms!

This is the one investment you can make in your home which starts paying for itself the moment it is put in, and continues to pay long after the original cost has been refunded —as long as the house stands! Owners report fuel savings as high as 50%. The average is about 30%.



"Wool" from rock—*blown* into spaces—forms an invisible wall, *within* your walls, 4-6 in. thick.



Air circulating through hollow walls chills your house in winter, heats it in summer.

Rooms 8° to 15° cooler in summer

On an average, rooms in homes treated the Johns-Manville way are 8 to 15 degrees cooler than outside temperature on the hottest summer days. Those stifling sleeping rooms, with their stored-up daytime heat, become refreshingly cool . . . Texas and Georgia are among the states where Johns-Manville Home Insulation has been most widely installed, for summer comfort alone.

All through the hot-summer area of the North and Mid-West, it is bought as much for relief in summer as for comfort in winter.

Fireproof . . . Vermin-proof

Rock wool cannot burn. It is an effective fire stop in the flue-like spaces within walls. Mt. Vernon, the home of Washington, and other national shrines have been treated with J-M Home Insulation for this reason alone.

Vermin cannot live in rock wool.

WRITE FOR FREE BOOKLET

The coupon below will bring you a booklet which describes J-M Home Insulation more fully. We will gladly send with it the name of the nearest J-M Home Insulation contractor. *No obligation.* Time payments can readily be arranged.

JOHNS-MANVILLE
41st St. & Madison Ave., New York City

Please send the booklet, "Now we blow year-round comfort into your home," and the name of the nearest J-M Home Insulation contractor.

Name_____

Street_____

City_____ State_____

Home Insulation

Look to the Future when you build or buy



IT IS ALWAYS provoking when the water supply fails—usually because of a rusted tank. Storage tanks of Copper or Everdur (strengthened copper) provide lasting service.



A TRICKLING FLOW of rust-colored water is not only unpleasant but is an indication that the pipe is rusting. In time the pipe will have to be replaced at great expense. Anaconda Brass Pipe, because it cannot rust, assures a full, free flow of crystal clear water at all times.

WHAT IT WILL COST to keep a house in good repair is a question to which far-sighted people seek the answer before investing in a home. Those who have owned homes know how troublesome and expensive short-lived metal work can be . . . and how completely copper, brass and bronze eliminate this annoyance and expense.

Rust is a major cause of upkeep expense in the home. It makes its appearance all too soon when metals that rust are used for water pipes, sheet metal work, screen wire, etc. While it is true that the first cost of copper, brass and bronze is slightly higher than that of rustable metals, it is likewise true that they will save their extra cost many times over in freedom from the expense of repairs and replacements.

ANACONDA
from mine to consumer

ANACONDA COPPER

THE INSIDE of this pipe is so badly clogged with rust that replacement is necessary. Anaconda Brass Pipe, which *cannot* rust, eliminates such expense.





FLASHINGS AND VALLEYS made of rustable metal will soon leak. Damaged interiors are the result. When made of Anaconda Copper (99.9% pure) you can be certain they will not rust.



THE OWNER OF THIS HOUSE took a chance on gutters made of rustable metal. In less than seven years rust had destroyed their usefulness. Gutters of Anaconda Copper are now being installed.

A NEW TYPE OF RADIATOR — smaller and more efficient — made of Anaconda Copper. It can be either partly or wholly recessed into the wall, and set off by grilles made of Anaconda Bronze.





SCREENS made of Anaconda Bronze Wire cost but little more than screens that rust. They can be obtained with wood or bronze frames, also roller type.



COPPER NAILS save money. Rustable nails cause loosened shingles ... leaks ... replacement expense.

Anaconda Copper, Brass and Bronze are produced by methods developed in the course of a century's manufacturing experience. Every step in the production of Anaconda metals for building purposes is controlled by the same high standards developed in supplying copper and copper-alloys of unvarying dependability to the rigid specifications of industry.

For your protection, Anaconda Brass Pipe is stamped every foot with the word "Anaconda." Every sheet of Anaconda Copper is trade-marked ... and you will find this mark retained on the gutters, rain-pipes and elbows made by leading sheet metal fabricators.

Valuable information on the advantages of Anaconda metals is given in the illustrated booklet, "Copper, Brass and Bronze in the Home." Write for a free copy. The American Brass Company, Waterbury, Conn.

AND BRASS *Can't Rust*

You pay for attic space . . . . *Why not use it?*





ATTIC SPACE NOW CHILDREN'S PLAYROOM



AN ADDITIONAL BEDROOM OF GREAT CHARM



FOR THE MAN OF THE HOUSE

In thousands of homes Celotex has transformed unused attic space into useful and attractive rooms, as pictured here. Often the Celotex used to gain the extra room cost less than fifty dollars

•

Let CELOTEX turn a loss into a profit . . Give you an extra room . . a more comfortable home . . Far *lower fuel bills* in new homes or old



EXTRA BEDROOM FOR GUESTS

In new homes or old, you pay a good round price for attic space. Why not make good use of it? It is the mission of Celotex Insulation to convert this space into rooms comfortably useful and livable in summer and winter alike.

Celotex Insulation makes this investment in space profitable by converting barn-like cold in winter, and bake-oven heat in summer, into comfortable living temperatures and thereby increases the value of your property.

You may need an extra room or two for a growing family. How much better, how much more economical, to build them of Celotex insulating cane board right in the present attic.

Better, first, because Celotex Insulation gives to such rooms and the entire house, a greatly improved temperature control.

More economical, because Celotex combines structural strength with insulation. Its own cost is low, and it is quickly and easily applied.

When applied under the roof rafters, it becomes a powerful heat shield between your home and the blazing sun of summer.

In winter it conserves and holds the costly heat, which otherwise leaks out to all creation. Fuel bills are reduced as much as 20 to 30 percent.

Use Celotex for insulation, whether you build or remodel. People who build new homes this spring will not lack for information about correct insulation, for every architect, builder or contractor knows Celotex. Before committing yourself on new jobs or old consult them, or your Celotex dealer.

CELOTEX
BRAND
INSULATING CANE BOARD

The word Celotex (Reg. U. S. Pat. Off.) is the trademark of and indicates manufacture by The Celotex Co.

THE CELOTEX COMPANY H. G. —3-32
919 N. Michigan Avenue, Chicago, Ill.
Gentlemen: Please send me your newest booklet, "Celotex Cane Fibre Insulation."
Name_____
Address_____
City_____ State_____

In Canada: Alexander Murray & Co., Ltd., Montreal



JULIAN LEVI, President of the Architectural League, and member of Taylor & Levi, architects.

"Its Salem Roof is in perfect harmony with the house itself . . ." JULIAN LEVI



IT is now possible to achieve a perfect balance between house and roof no matter what style or period is concerned. This can be accomplished with a Salem Roof.

Developed under the supervision of a prominent architect, Salem Shingles are authentic in design and texture. In addition, they have the soft, weather-beaten beauty of shingles aged by years. Made of asbestos fibres and Portland cement combined under pressure, Salem Shingles are fireproof and everlasting. They may be had in soft grays and greens, warm reds and browns.

Your own architect will assist you in selecting the Salem Roof for your house—or write to Architectural Service, Johns-Manville, 41st Street and Madison Avenue, New York City.

Johns-Manville *Salem* Roofs JM

THIS SALEM ROOF BLENDS PERFECTLY WITH HOUSE AND SETTING • TAYLOR & LEVI, ARCHITECTS

DIRECTORY OF DECORATION AND FINE ARTS

gay glasses for non-topers



for those who indulge in orange juice or tomato-juice, here are charming glasses, just the right size, graceful in shape, of excellent crystal with tomatoes or oranges in natural tones, hand-painted in enamel colors. 9.00 dozen.

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ROSEMONT RUGS



At Amazingly Low Prices

Now is the time to buy these rugs. Historic and Early American designs hooked with old time hand hooks.

Also Colonial Coverlet Exact reproductions of old Colonial designs. Hickory Leaf, "Morning Star", "Wing Rose", "Lover's Knot".

Also Hand Tool Canopies, Valances, Hand Bags, etc.

Write for free illustrated booklets about descriptions of old designs

LAURA H. G. COPENHAVER
"Rosemont" Marion, Virginia

Antique
Reproductions and Adaptations



Part of a French provincial bedroom and dressing room group in beech. Based on priceless museum pieces. Quaint, graceful forms, beautiful old finish. Photo by Conoleum Nairn. Send for book of plates and histories of famous Charlotte groups, many period and fancy woods.

Charlotte Furn. Co., Charlotte, Mich.
I enclose 10 cents. Send book to

Name ....

Address ....

■ Last month we presented a group of seven accessories for Federal rooms. Another authentic feature for this type setting is the Franklin stove at the right—a "modern convenience" of the first American citizens. On these chilly Spring evenings this bit of black cast iron sheds comfortable warmth. Brass finials are decorative notes. 31½ inches tall; 23 inches wide. $30. Andirons $15. Edwin Jackson, 175 East 60th St., New York City





■ The star and the lyre, favorite motifs in 18th and early 19th Century American decoration, charmingly combine in the new linen shown at the left. In yellow with blue, or the patriotic, ever smart, red, white and blue, this fabric is especially good for summer—fresh and cool-looking while retaining the dignity so essential to Federal decoration. Hand-blocked; 50 inches wide. $7.50 per yard. The Chintz Shop, 445 Madison Ave., New York

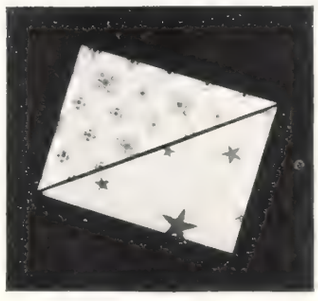
■ In the small Early American hall-way, an effective substitute for the familiar lantern-type lighting fixture with glass or mica exterior is this simple, hooded, electric candle. Two kinds of metal are used in its construction—wrought iron for the base and monel metal for the peaked and fluted top. The height is 11¾ inches; the diameter, 6¼ inches. Its price is $12.50. From Ralph Bullard, Grand Central Terminal Building, New York City





■ This charming little pewter sugar and cream set is made by modern craftsmen who employ the painstaking technique of the first American settlers. The design is unusual—conventionalized leaf border winding about the base of sugar bowl and pitcher and two sides of the tray. The surfaces are hand-hammered. Tray, 9 x 8¾ inches; sugar bowl, 2⅜ inches tall; pitcher, 5⅛ inches tall. $15. Handcraft Studio, 534 Madison Ave., N. Y.

■ Either of the two modern wallpapers illustrated would be interesting backgrounds for Colonial interiors. The all-over pattern at the upper left is charming for a bedroom; in green or rose on cream, white on blue, or blue on pink. The star motif, in gold on pale green, chalky blue, yellow or pink, will create an amusing setting for powder room or entrance hall. 8 yard roll, 75c. John H. Whitwell, 1620 Spruce St., Philadelphia, Pa.





■ This good-looking little timepiece is two-faced only in appearance, for it is quite dependable where minutes and hours are concerned. Some clever person fashioned it to stand between twin beds. Of shiny chromium in a simple, graceful design it stands 3 inches tall, with a 5⅜ inch base. Neat numerals adorn the two round, silvery faces. Imported from Germany, this clock costs $7.50. The New Motif, 128 E. 60th St., New York

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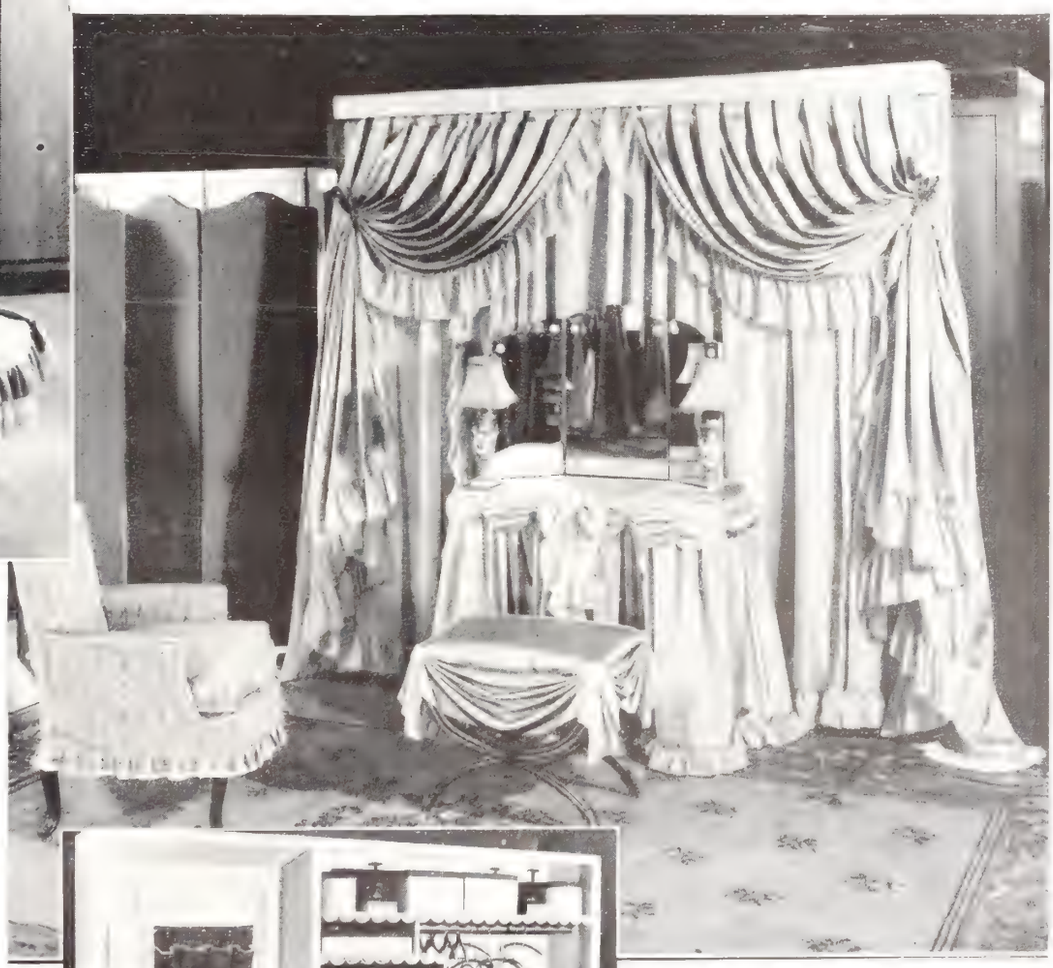
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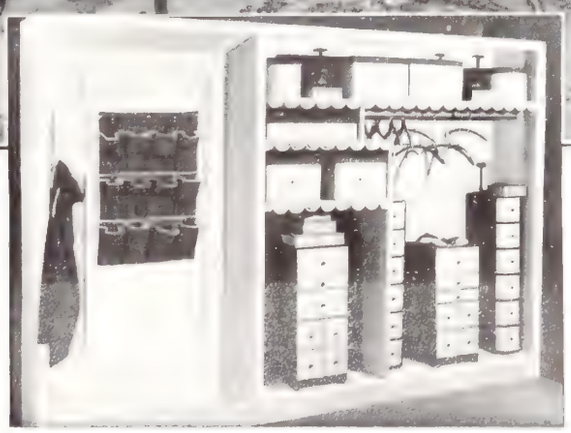
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Top left. Altman decorators use Londrenese, a Celanese faille taffeta, in turquoise and tea rose, to interpret the luxurious quality of the Directoire setting. Lamp shades are of Celanese Taffeta.

•

Bottom left. A castor shade of Moiranese, piped in nattier blue, covers the chaise longue. Quilted coverlet of blue Clairanese taffeta is ruffled in pink and blue Chifonese. Pillows of Solanese Satin. Lamp shade of Clairanese.

•

Top right. Draperies, dressing table skirt, and bench, are of tea rose Clairanese taffeta, piped in turquoise, with ruffles of Chifonese in champagne color to match glass curtains. The chair wears a slip cover of Moiranese.

•

Bottom right. No skeleton can lurk in this closet, which proudly displays its fittings of beige and marron brown Moiranese—the Celanese Permanent Moire—with occasional boxes in vieux rose.

• *Celanese [illegible] are made by the Celanese Corporation of America, 180 Madison Avenue, New York.*

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■ Even the humble kitchen towel is beauty-conscious to-day and is appearing in such smart guises as those illustrated. These new designs are made of heavy quality, white linen, with wide center panel in color decorated with fruit and vegetable forms. Each towel measures 22¼ x 31½ inches and can be had in green, blue, gold, rose or burgundy red. Price, $4.75 per dozen. From Maison de Linge, 844 Madison Avenue, New York

■ Smart beds wear blanket covers decorated with imposing monograms this year. The one shown is a heavy, durable muslin, without seams. The monogram, a darker shade of the cover color, is appliqued by hand; the hems, hand-whipped. This sort of cover would also make an attractive summer spread. Peach, green, yellow, blue or orchid; monogram to order. 72 x 108 inches. $6.50. Eleanor Beard, Inc., 519 Madison Ave., New York.





Figure &

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Galloway Terra Cotta on Display

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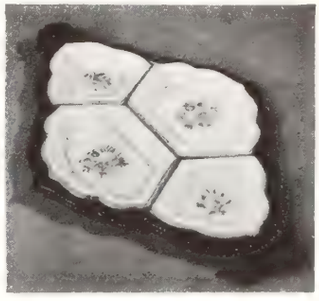
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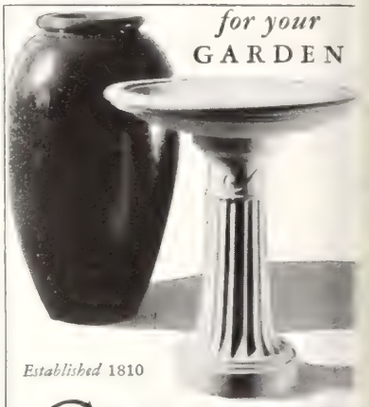
MONTGOMERY FORGE
5701 Manchester St. Louis, Mo.



■ The four white pottery dishes of the hors d'oeuvre serving tray at the left are amusingly decorated with clusters of fantastic blue, yellow and mauve fruit, and bordered with narrow bands of vivid blue. The tray itself is wood, painted a dark, verdant green, the gracefully carved edge forming handles at either end. The measurements are 25¼ x 17¼ inches. The price is $32.50. From the Marlborough Galleries, 2315 Broadway, New York

■ A very attractive new type of bath mat is made like a candlewick spread with the tuftings placed close together on the muslin background. It may be had in rose, lavender, yellow or green, the pattern consisting of concentric circles in varying shades of the same color. An important point in favor of this practical rug is the ease with which it may be laundered. 33 x 26 inches. Price, $6.75. Barbara S. Lowald, 16 E. 52nd St., New York





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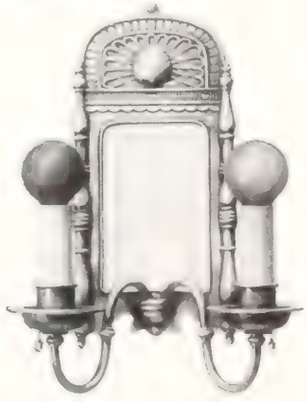
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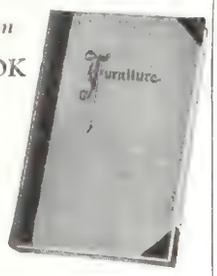
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New York City

■ Brilliant [illegible] pansy, zinnias grow more vivid against a white background. The [illegible] at the table is painted ebonized and decorated with a spray of decalcomania [illegible] in tones of yellow, orange and blue. Small handles in either side enhance the practical aspect of this attractive accessory, which measures 8 in. long and 5½ inches wide at the top. The price is $15. From Bajus, Inc., 15 E. 48th St., New York City

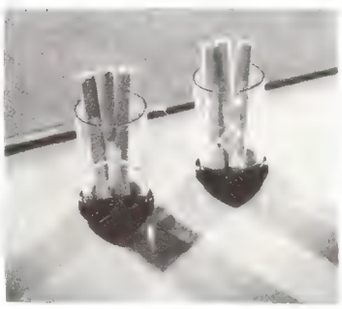


■ These tiny, individual cigarette holders standing at each place will add an amusing note to a modern table setting. Of Swedish glass with black bases, they are decorated with delicately etched figures engaged in a variety of athletic exercises. In the illustration, a small hurdler ornaments the glass at the left; the other shows a strong man valiantly lifting a pair of weights. Price, $2, each. From the S. P. R. Galleries, 40 E. 49th St., New York





■ From Mexico comes this [illegible] glassware of Royal Regal [illegible] and the pottery dish whose terra cotta surface seems to reflect [illegible] A wide, feathery, cream-colored border and a creamy cat with blue stripes decorate the plate. The 13 inch plate costs $2; the glassware is priced as follows: 6 [illegible] tumbler, 85c; 7 inch plate, 75c; finger bowl or dessert dish, 50c. La Fiesta Indian Trading Post, 38 West 8th St., New York



■ In gala attire for market day, this small family and their gray donkey would be a bright detail upon a corner whatnot or hanging shelf. The colorful costumes of the Breton peasants are reproduced in these bits of pottery, complete in every detail. Donkey and rider, [illegible] inches tall, $4.50 [illegible] father and mother, 2½ inches tall, and children, 2 inches in height, $1.50 each. From F. B. Ackermann, [illegible] Lexington Ave., New York

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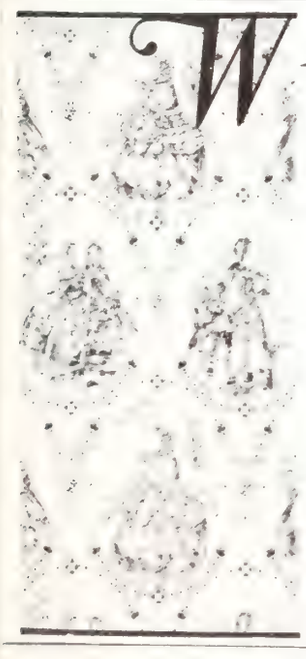
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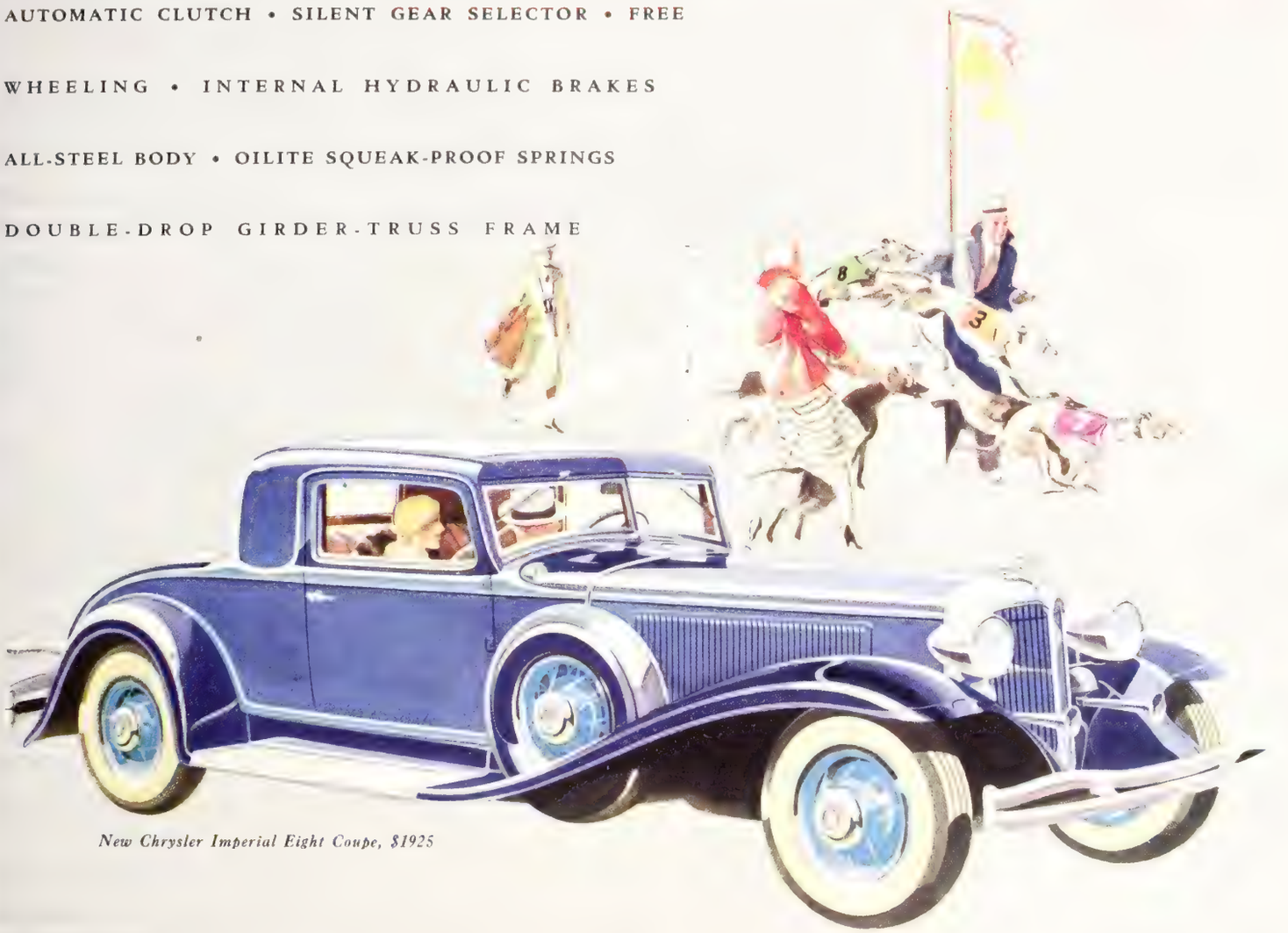
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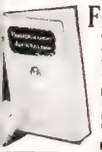
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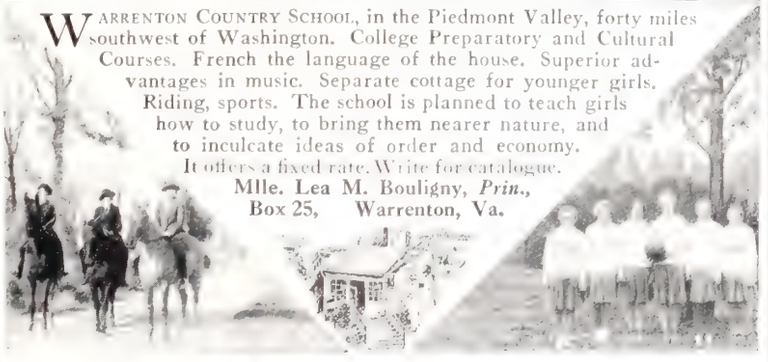
Q. It seems to me that the step from the local grade school to the large boarding school is too difficult for my boy of thirteen. What would you advise?

A. The "pre-prep" school was established for the very purpose of helping younger boys to become older boys. This type of school, enrolling boys from seven to fifteen, is organized like a preparatory school and boys are taught to adjust themselves to the studies and discipline they will encounter later in preparatory and college years. While parents frequently shrink from sending their sons away to school at this early age, boys usually like it and nearly always benefit by it. We are enclosing a list of "pre-prep" schools we recommend which will be glad to send literature.

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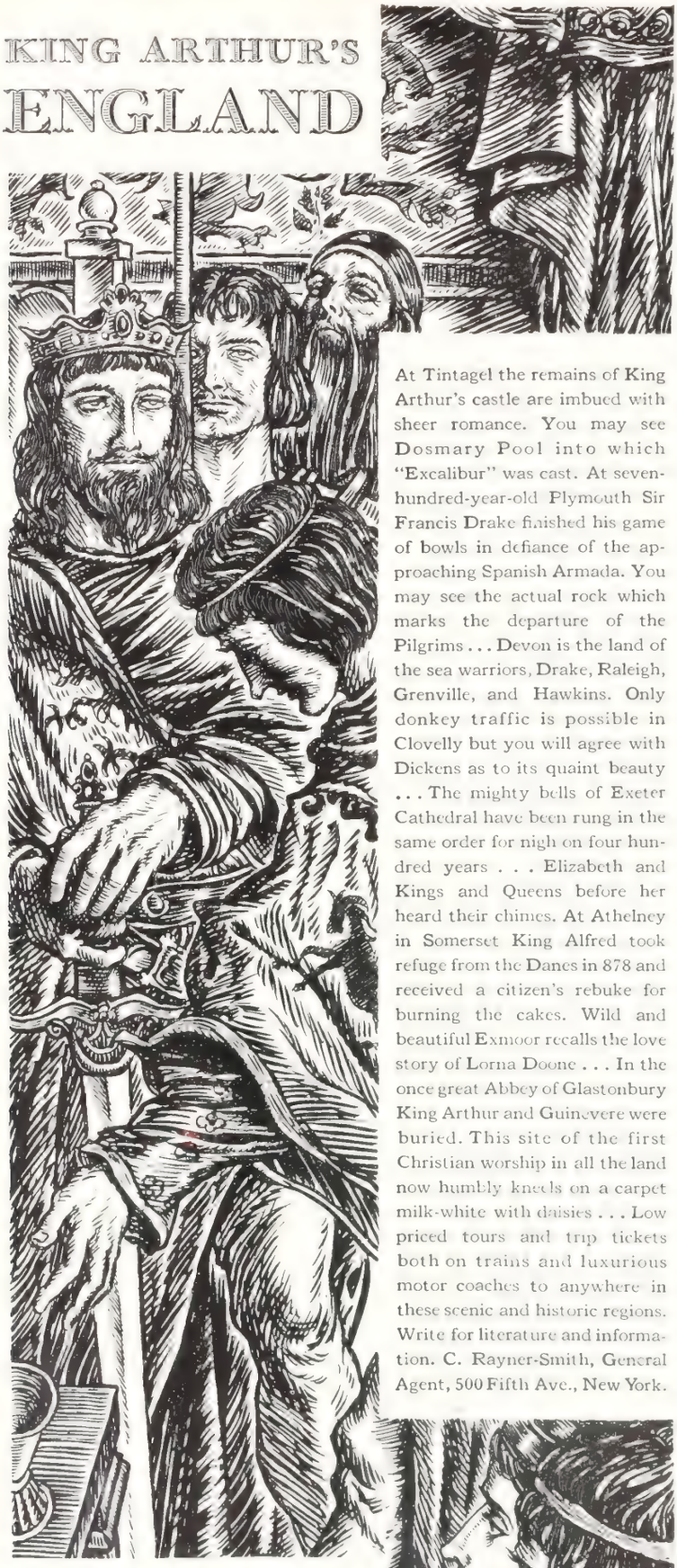
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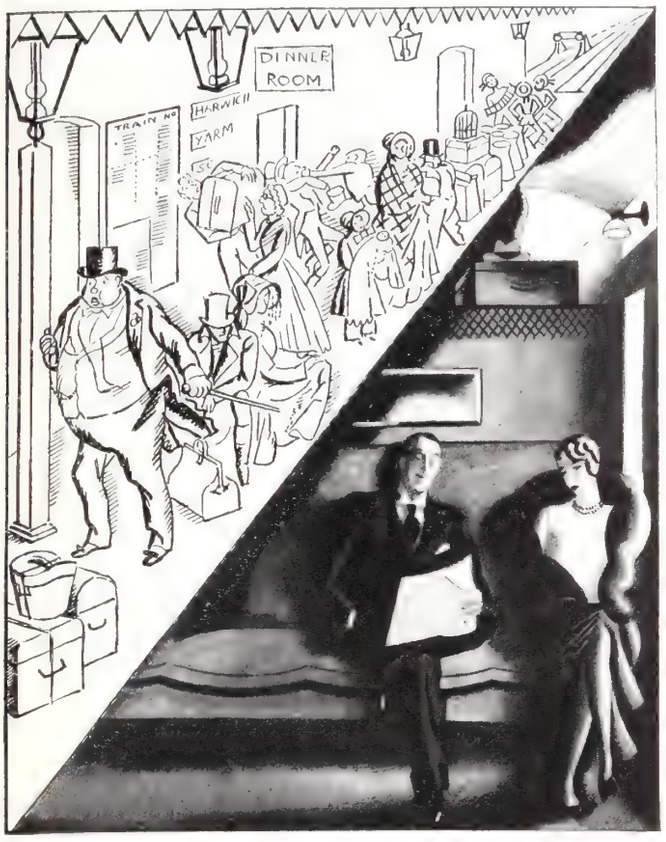
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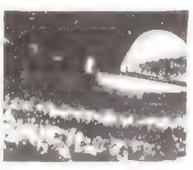
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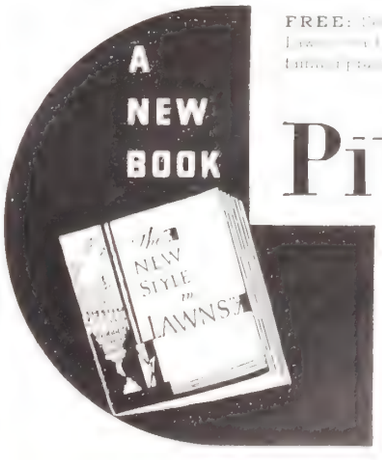
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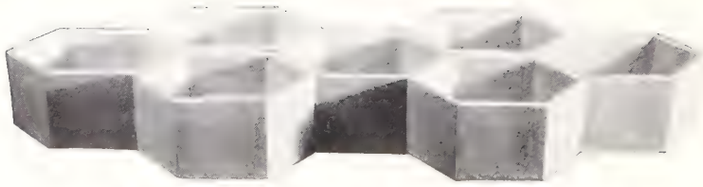
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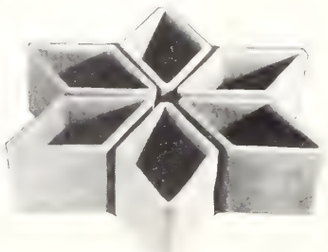
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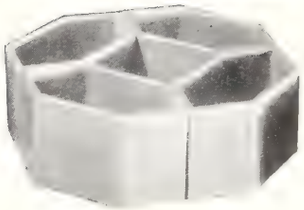
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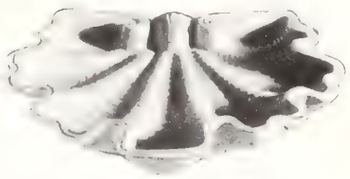
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A PRACTICAL GUIDE

to interior decoration for your entire home



Richard Averill Smith © C.N.P.

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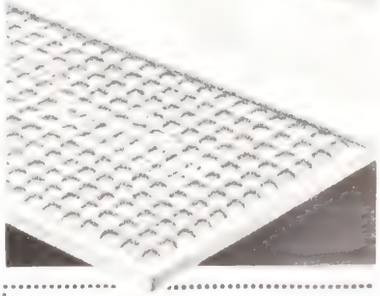
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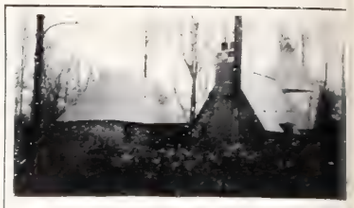
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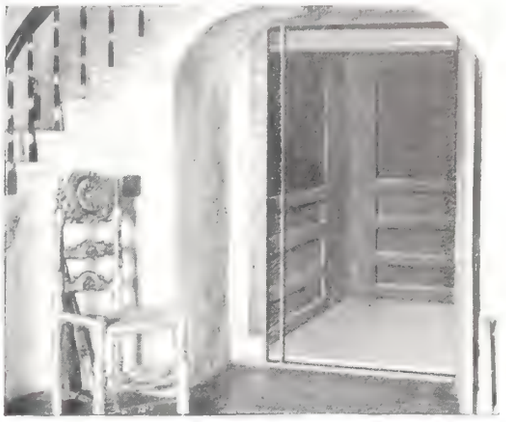
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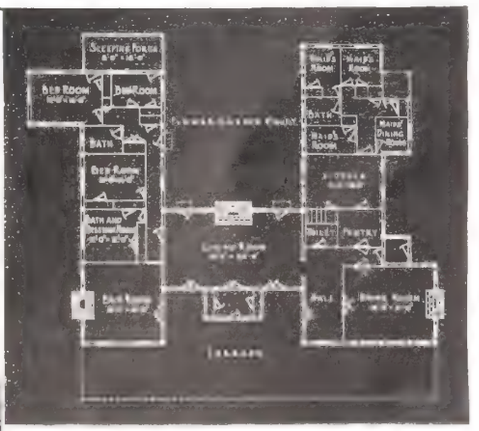
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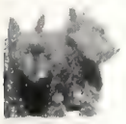
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(Continued on page 74)

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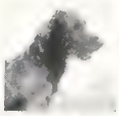
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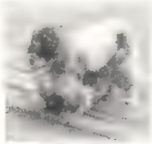
There will be, first, a stud fee of perhaps $50 which must be paid to the owner of the puppies' sire. Then, beginning three weeks before the birth of the litter and continuing until they are whelped, the mother must receive special food to the value of at least $21. For the six weeks between birth and the time of full weaning, the cost of food (meat, eggs, cod liver oil, etc.) for mother and puppies will be in the neighborhood of $84. Then, for ten more weeks—bringing them to the sale age of four months—the puppies will consume food to the value of $70. These costs are taken from the actual records of a careful, conscientious breeder.

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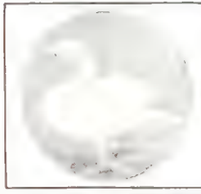
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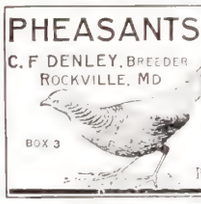


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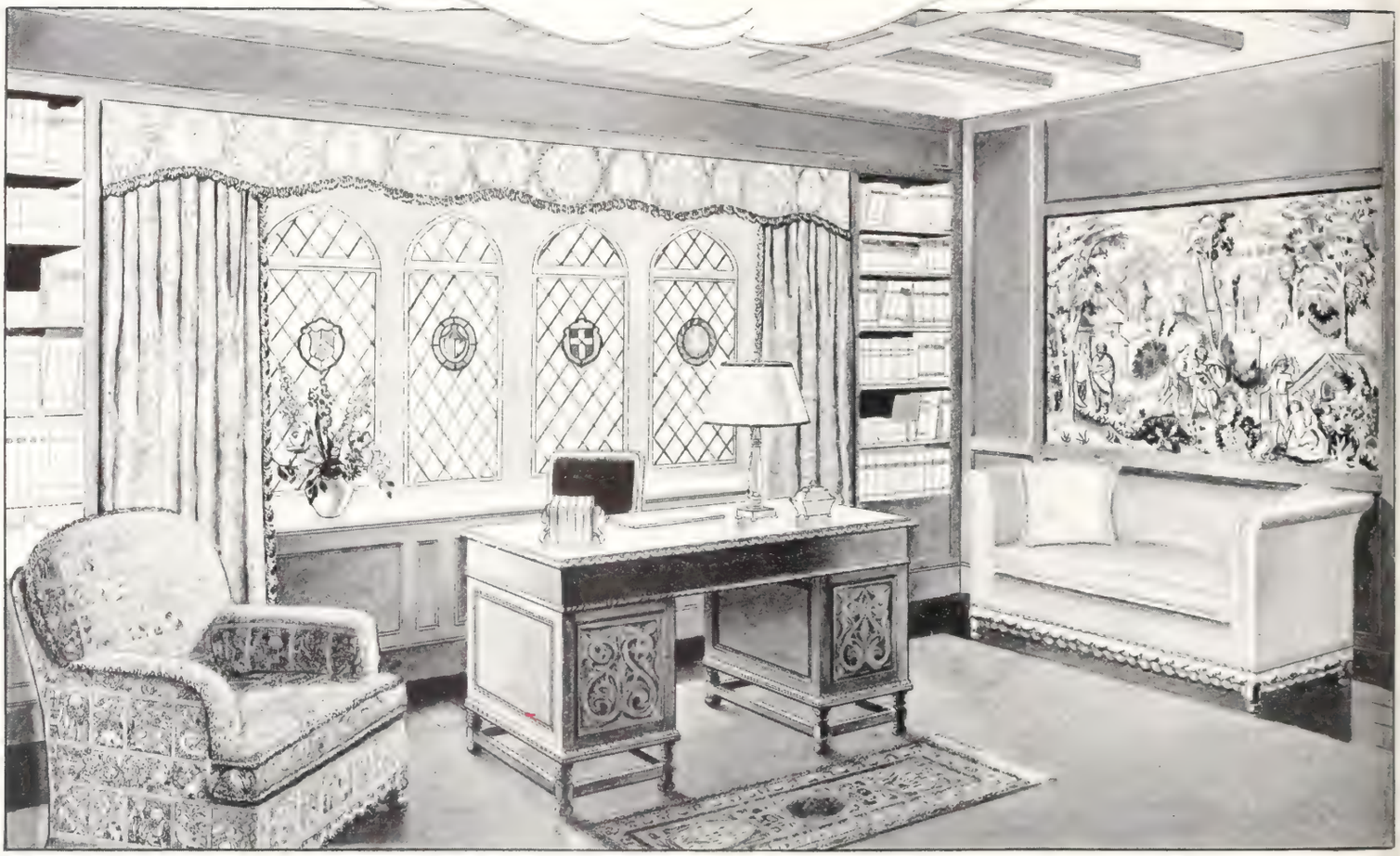
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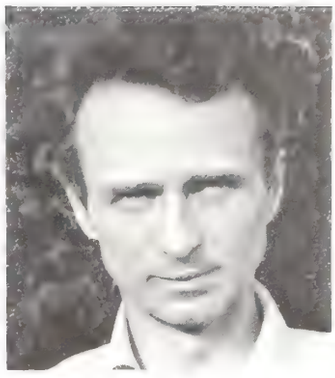
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Mary Deputy Lamson designer of the Rose gardens illustrating our lead article, is one of the younger group of New York landscape architects. She received her B.A. and M.A. at Indiana University and took graduate work at Cambridge School of Landscape Architecture. Mrs. Lamson was Ruth Dean's assistant from 1924 to 1926, beginning her own practice in that year



J. H. Nicolas is a Frenchman who graduated from the University of France and has recently been made a Knight of the Legion of Honor. Internationally known as an authority on Roses and author of horticultural works, he is now in charge of research and the creation of finer varieties in one of the largest Rose growing establishments in America



Unless the magic name Edward Steichen appears in small caps below his photograph in *Vanity Fair*, no stage or film star, or member of the political scene dares feel that he has arrived. This issue of *House & Garden* reveals what Mr. Steichen does when he is hiding out from near-celebrities—he makes ten-foot Delphiniums grow where only five-foot ones were seen before

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RICHARDSON WRIGHT, EDITOR • ROBERT S. LEMMON, MANAGING EDITOR • MARGARET McELROY, ASSOCIATE EDITOR • JULIUS GREGORY, CONSULTING ARCHITECT



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THE BULLETIN BOARD

Novelties. By this time, those who make any pretense at gardening will have their packets of the new, fragrant, double yellow Nasturtium and the latest form of Calendula and a dozen or more of the other novelties that the seed catalogs have been offering. Each spring some newcomer or revived old-timer tries to edge into the accepted list of our favorite flowers. By the next season many of them are forgotten. And the fault often lies not in the flower itself but in the cultivation given it. Try the same novelty two years running and then judge if it is worthy to join your family of dependables.

Old and new. Many of these "novelties" are not so new as some gardeners suppose. During the past few years *Trollius ledebouri* has been trotted out and an excellent flower it is. But that doesn't change the fact that it was first introduced into England from Siberia in 1829! They say, however, that English growers have made some amusing variations in an American wildflower—*Tradescantia*—which will soon be coming back to us. There are also some new Scabiosas worth trying, and the tribe of improved Gaillardias continues to increase.

Billboards. "The barbarian carelessness of the motoring millions, the littered roadsides, the use of our most beautiful scenery for the advertising of products which should be boycotted for that very reason, are but symptoms of our slipping down from civilized standards of life, as are also our lawlessness and corruption with the cynical disregard of them by the public."

The above is from the epilogue to James Truslow Adams' recent book, *The Epic of America.*

Judges go to school. The course in flower show judging offered for the first time last year by the Federated Garden Clubs of New York has set the style for many such courses given this season in other sections. We will soon have adequate accredited judges aplenty—men and women who can help out with local shows and who, as they gain more and more experience, will prove more valuable. Thus will the whole question of competition at flower shows be lifted to a more satisfactory level.

Let us hope now, that the makers of flower show schedules will give their imaginations an airing and thus afford these judges a chance to spread their wings. Our classes are hidebound and dull. Let's particularize. Instead of the usual vague "Artistic Arrangement," let's have something to quicken the imagination of exhibitors and tickle the risibility of visitors. Say—decorations for a dinner to your husband's boss who is contemplating a general cut in salaries, or a tête-à-tête luncheon with an old beau whom you haven't seen in years and who will probably prove bald and prosy.

Crackle finish. That finish of furniture which has a crackled surface, like an old-fashioned piece of pottery, is the result of a sort of traffic jam—rapidly drying materials are laid over slower drying ones. Thus shellac over varnish will check the finish. Or the effect can be gained by spraying a rapidly drying lacquer over a normally-drying lacquer, or by using layers of a mixture of dryers and varnish. When the fight between these two contending forces is over, the battleground bears the scars.

Smooring fayre. Among good housekeepers it has always been the custom, on retiring, to smother the fire with ashes. Thus the embers are kept alive overnight and the next morning enough fire remains to kindle the new wood. In the Hebrides, those quaint islands off Scotland, this is called smooring. As the housewife goes to this chore she recites the Smooring incantation:

> Blest be this house, blest be this fire,
> And blest be this people all.
> An angel in the door of every room,
> To shield and to protect you all
> Till bright daylight comes in the morning.

The color line-up. It appears, from a recent survey, that people in this country are becoming more conscious of color than of pattern, that the former means more to them than the latter. And the colors come down the home stretch of popularity in this order: (1) Green, which heads the list; sixty-five per cent of window and upholstery fabrics sold today are green; (2) Blue, which is growing in popularity; (3) Brown, which includes the tans; (4) Yellow in its various tints; (5) Henna; (6) Orchid, which is just now looming noticeably above the horizon.

The most popular flower patterns show flowers in white and off-white. These designs can be used with wicker. And we venture to prophesy that wicker painted white is in for a popular run in the near future.

Nicholas Culpepper. An interesting study for garden clubs and others interested in early gardens would be the career and influence of Nicholas Culpepper. This strange figure, born in 1616, swam into the orbit of London about 1652 by the publication of his book, *The English Physician,* in which he sought to revive the ancient Doctrine of Signature. According to this doctrine plants bear in their form or marking or [illegible] the indication of the diseases they will cure. Medical London set down Culpepper as a charlatan, but he managed to capture public imagination and soon gathered a large following. His book was found in practically every well equipped household in Early America and only the past year saw still another edition of his famous work appear.

The architecture of a building is the result of the coördinated efforts of many trades and professions, so is a well presented article in a magazine. The leading article in this issue, for example, was fabricated slowly and surely from four different sources of authority.

First, the text was written by J. H. Nicolas, a well known authority on Roses. His subject was selected because there is a pronounced movement in this country to revive interest in old Roses. But merely talking about them was not enough. We must show how those old Roses could be used in their old-fashioned styles. The next step, then, was to have two gardens designed, one for a Mediaeval Roserie and one for a Rose garden in the Victorian taste. Mrs. Vernon Lamson, landscape architect, made the designs. To help the reader visualize these gardens they were graphically portrayed by Pierre Brissaud, the well known French artist. Then, in order to have Mrs. Lamson's plans presented in the same style as M. Brissaud's drawings, they were again rendered by Robert Hoffer. After these four steps, the editor had only to sprinkle a few commas over the text, and the architecture of that article was complete.

Softness underfoot. There are fully half a dozen ways in which the life of rugs can be prolonged. They should be turned around every few months so that the traffic on them will be evenly distributed and furniture indentations get not too deep. They should be protected from too much direct sunlight. They should be regularly cleaned with a vacuum cleaner and invariably be clean when stored. And they should have some sort of rug cushion or underlining that will break the shock of traffic and at the same time give softness underfoot.

Gadding gardeners. It is generally supposed that gardening is the habit of people who stay at home—stick-in-the-muds. For a matter of cold fact, there never were such gardeners as the British, nor is there a people more addicted to gadding about. The English have the good sense to know when to leave their gardens—and when to return to them. And when they do return they invariably bring back some plant for the garden.

Traps and bars. The [illegible] behavior shown by some people of late is being charitably excused because of the financial pressure of these times. We hear it said that So-and-So, having lost a great deal of money, feels trapped, like an animal in a cage, and snaps at anyone who approaches the bars.

Each man, it seems, has his own kind of trap, fixed with his own kind of bars, and most of us make our own. Those whose heart is set on money make bars of money about them and are trapped when their money is gone. And those whose heart is set on beauty would be equally trapped if sight or smell or touch or the [illegible] were taken from them.

Table sports. Among the genteel contests that have arisen among ladies in various sections of the country is the pleasant business of table decoration. Women now vie with each other in the matter of centerpieces, floral decoration and such, and great ingenuity and taste they are showing, and no expense, it seems, is being spared. We're for it. We're for anything that will keep women interested in their homes and make those homes better for that interest. [illegible] positions, the whole subject is closely allied to gardening and to the staging and exhibition of [illegible]



S. H. Gottscho

Iron grilles lighten the portico

A PAGODA hood over the entrance to the Charles E. F. McCann residence at Oyster Bay, L. I., is supported by white painted iron grilles in conventional patterns. More ironwork is seen guarding the transom and filling a break of the parapet wall. James W. O'Connor, architect; Annette Hoyt Flanders, landscape architect



OLD-TIME ROSES ARE COMING BACK AGAIN

By J. H. Nicolas

Even without the recent rise and fall of the *Chapeau Eugenie*, that turbulent, ill prosperous, period of French History, to which the die-hard opponents of the subsequent republican régime used to refer soulfully as *L'Empire*, is not so far away from us when we consider Roses. Empress Eugénie was very fond of Roses and her favorite corsage flower was a very mossy pink Rose named for her by special command in 1855. This beautiful Moss Rose, for years neglected, is coming back.

During Eugénie's dictatorship of fashions (1852-1870) appeared the first and most delightfully scented Hybrid Tea Rose, La France (1867); the most beautiful and fragrant of all Tea Roses, Marechal Niel (1864); and the epoch-marking climbing Bourbon-Tea, Gloire de Dijon (1853). Then, too, arose the most famous Hybrid Perpetual, Gen. Jacqueminot (1852), still spry in spite of eighty years, leading the veterans of those old guard hybrid perpetuals still prominent in American gardens and nurseries: Jules Margottin (1853), Anna de Diesbach (1858), General Washington (1860), Prince Camille de Rohan (1861), John Hopper (1862), Mme. Victor Verdier (1863), Fisher Holmes (1865), Baroness Rothschild (1867), Horace Vernet (1866), Paul Neyron (1869).

At this juncture I must mention, for the benefit of those Rose lovers of the North who bemoan the tenderness of the lovely Marechal Niel, a discovery I made: Marechal Niel can be grown in the North as a bush Rose (provided it is budded and the bud planted 3″ to 4″ deep) and it will bloom all through the summer. My plant was frozen to the ground and I was despairing of it when new shoots appeared from the base under ground and I had a glorious harvest of beautiful blooms up to winter. The lovely Mermaid (Hybrid *Bracteata*) will do the same thing. For many years we have been swamped with a great number of Hybrid Teas, some good, some not so good, and many poor. This avalanche had distracted us from the older varieties, and for some time everything not classed as Hybrid Tea, or "everblooming", had been brushed aside.

Fortunately, the worm has turned and there is a marked renaissance of "old Roses"; this movement had been gradually increasing until Mrs. Francis King crystallized the situation and at the annual meeting of the American Rose Society of 1930 caused an Old Rose committee to be formed for search, preservation and cultivation of old varieties. Heeding the movement, enterprising nurserymen have started again the propagation of old Roses. One has a collection of about seventy-five varieties of Provins Roses, another searched the world for all the Moss Roses in existence and has now about 125 varieties of this loveliest of all. Some are already available, and more will be each year. We search the world for antiques. Americana are in vogue. Why not dedicate a part of our garden to "Roseana"?

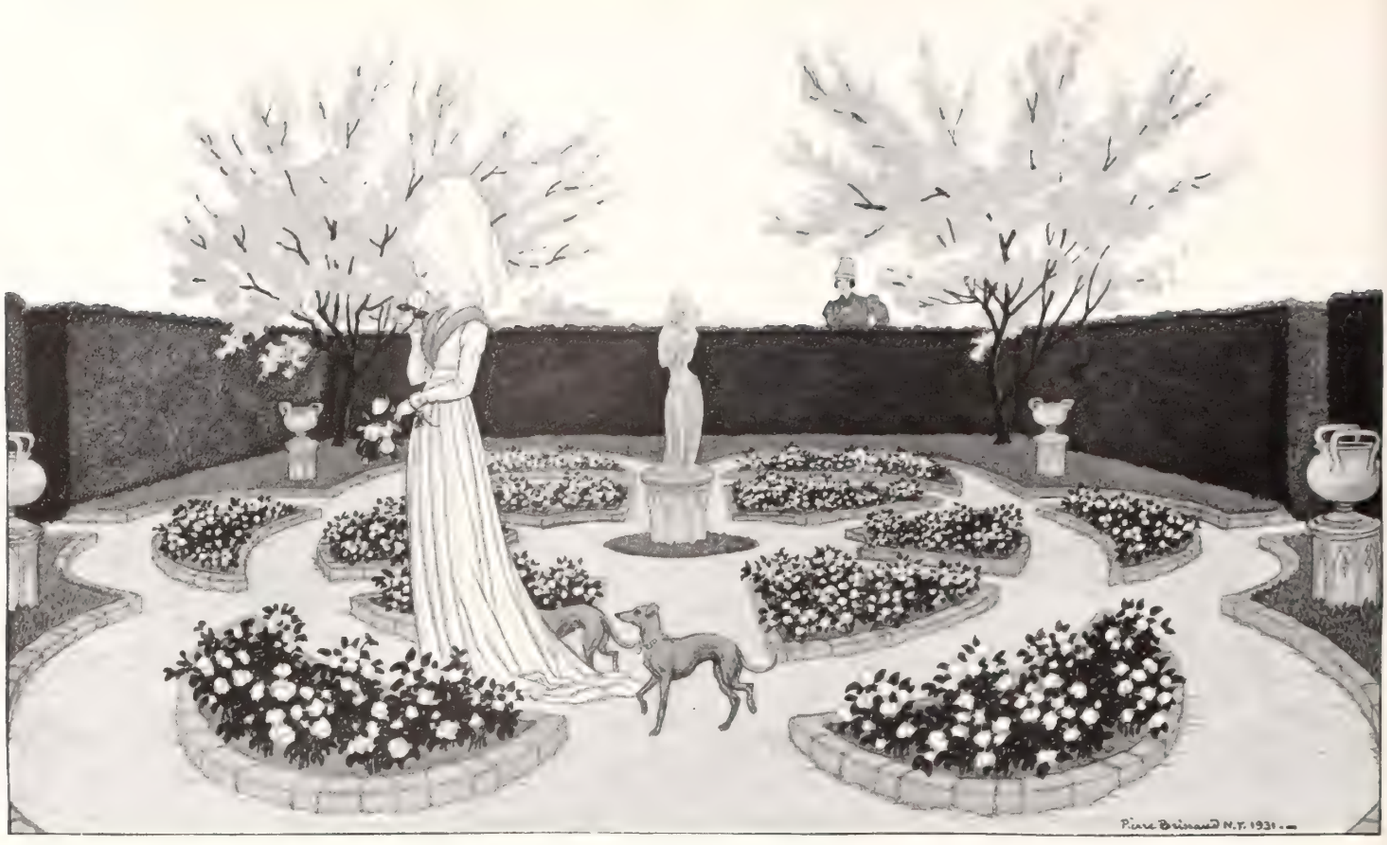
The term Old Roses does not refer to the age of the plant but to the type and class. They are not to be collected just because they are old, but because of their distinctiveness and characters, which are entirely different from those of the modern Hybrid Tea. True, some are not remontant, but they are so lovely and individual that after giving us four weeks of joy, they bid us au revoir leaving anticipation of a still more beautiful display the next year.

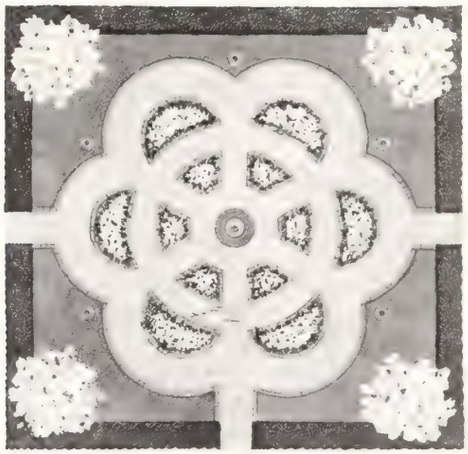
Old Roses are of four major classes: Provins, Moss, Centifolia (Cabbage), also referred to as Provence Roses, and the Damask. Then later came the Hybrid Perpetual tribe, of which the 1690 varieties at the Roseraie de l'Hay have dwindled down to a mere baker's dozen in American commerce. We may also mention the Tea class, now verging upon extinction for reasons which need not be brought into the discussion at this time.

The Provins Rose is a historical type par excellence. Its origin is rather obscure, but it is said to be an evolution probably of the Damask Rose, brought from the Orient by the Crusaders, merging naturally or by man's hand with the native Roses of the hills of Central France (*R. gallica*). At any rate it is quite different from the Provence Rose, which is the true Centifolia although both show some relationship in their foliage and colorings. There is no yellow in those old strains because the Tea Rose, original source of yellow, was not then generally known. The Provins Rose takes its name from the City of Provins about thirty-five miles east of Paris, which became famous for its Rose products industry: conserves, jellies, condiments, perfume, beads, jars and various nicknacks of personal adornment. This industry, while not as prosperous as of yore, still survives. When the unhappy Marie Louise of Austria came to France to marry Napoleon I, the Emperor met her at the town of Provins where the population, carried away by excited enthusiasm showered them with Rose products of all descriptions.

The Provins Rose is of medium size and very double. Many are interestingly variegated and their indelible stamp is a purplish hue, some turning slate blue at the end. They have a rich perfume of their own and the plants are extremely hardy. The following are now available:

Cardinal de Richelieu: Very dark violet nearing the dark Parma violet, edges carmine. Very striking and the nearest to blue Rose in existence. *Commandant Beaurepaire:*





This old-fashioned knot garden has a hedge of Yew, Hawthorn or Roses, with four Flowering Crabs. In the inner circle the sequence of varieties is Vierge de Clery, La Noblesse, Konigin Von Danemark, Red Provence, Old Tuscany, Pompon de Bourgogne. Outer circle: Nuits d'Young, Eugene Verdier, York & Lancaster, La Neige, Blanche Moreau, Gloire des Mousseux



Another old design was the Victorian. The central bed has Hybrid Perpetuals, three of them standards. In each round bed a standard H. P. Curved beds, H. P.'s, one standard. Lowest beds, Centifolias, one standard H. P. The eight small trees are standard Weeping Cherries or Laburnums. The beds are edged with 8" Box. Planting plans by Mary Deputy Lamson, landscape architect

pairi: Rose pink striped purple-violet and freckled with white. *Cramoisi Velouté:* Crimson velvet. *Georges Vibert:* Crimson with white stripes. *Hector:* Violet with a slate colored center.

Henri Foucquier: Rose pink, very fragrant. *Hypathia:* Red dotted garnet. *Jeannette:* Bright red. *La Rubanée* (or Village Maid): White striped purple. *Madame Saportas:* Vivid pink. *Maitre d'Ecole:* Soft pink. *Marie Tudor:* Cerise red. *Nérow:* Crimson variegated violet blue.

Oeillet Flamand: Pale pink striped and variegated white. *Oeillet Parfait:* Pale blush striped red and crimson. *Pepita:* Live pink. *Perle des Panachées:* Pure white marked with rose and crimson. *Petite Orleanaise:* Pompon type, pink.

Président Dutailly: Carmine shaded with magenta. *Reine D'Espagne:* Fiery red. *Tricolore:* Cerise pink striped with lilac and white.

The Moss Roses are due for a revival; lately considerable attention has been given to these, the loveliest of all. During Empress Eugénie's reign, in 1866, Francis Parkman wrote: "Nothing can eclipse and nothing can rival her (the Moss Rose). She is and ever will be the favorite of poetry and art; and the eloquence of her opening buds, half wrapped in their mossy envelope, will remain through all generations a chosen interpreter of the languages of youth and beauty".

Hybridizers are at work to create a modern strain with the pastel shades so popular among Hybrid Teas. We hear interesting

rumblings and lately the American Rose Society had for registration a "Yellow Moss" and a "Golden Moss"; a well known hybridizer has hundreds of promising seedlings. Some varieties are fairly recurrent if given a little attention such as cleaning the bush, fertilizing etc. after the spring blooming. There were at one time 135 varieties of which thirty-three are recurrent. While this collection has been reconstituted in the Jackson & Perkins Rosarium at Newark, New York, the following varieties are again in commerce:

Baron de Wassenaer: Crimson. *Blanche Moreau:* Purest white, heavily mossy. *Bérangère:* Soft pink. *Catherine de Wurtemberg:* Pink, very large. *Célina:* Crimson shaded black. *Deuil de Paul Fontaine:* Maroon, the darkest of all (hence the name: In Mourning for Paul Fontaine).

Duchesse de Verneuil: Scintillant pink. *Eugène Verdier:* Crimson red. *Gloire des Mousseux:* Old Pink Moss, appeared first in Holland in 1596. Mossiest of all the pink varieties. *Impératrice Eugénie:* Bright pink (recurrent). *La Neige:* Pure white. *Little* (Continued on page 76)



The wayfaring of gardens



In one of his essays Sir Arthur Quiller-Couch spins a plausible legend about a Roman legionnaire slogging along a muddy road in Gaul towards faraway England. The Channel finally crossed, he flings his march-worn, mud-caked boots into a ditch. Next year, from those clods of Gallic mire, springs up on British soil a wild flower that never grew there before.

By even such romantic chance has many a flower passed from its native heath to foreign lands, and many a garden, flourishing today to delight our eyes, has traveled an equally long trail of fortuitous migration.

Step into a garden on a day in June. Step from the rear door into the terrace. Instantly we encounter signs of wayfaring. This terrace with its pretty patterns of brick and stone flagging, where did it come from? Did the Romans have them? Who first conceived this transition between a house and a garden?

Down its coping range potted plants and around the pool's rim others are clustered like little chicks around a mother hen. Did that custom have a beginning we can discover? Was it accidental or purposed?

A straight path leads from the terrace steps to the farther wall. Midway it is broken by the pool, from which, on each side, extend side paths. A glance reveals this geometrical design. Naturally we wonder how such a mathematical pattern was first evolved and into what dim and romantic times that straight path extends.

At the farther end stands a summer house, with grapes and roses mingling democratically over the roof. Can it be that even this bower boasts a checkered history?

As we pass along we notice how the flowers are growing in little plots edged with clipped Box, and that these plots make a pattern. How far has that idea of a patterned garden traveled from its first conceiver to this day?

The garden is enclosed by a wall or fence. Who first walled in his garden, we wonder, and why did he do it?

Amid the flowers, tending them with intelligent and loving care, is the mistress of the place. Her hands are grimed and her hair awry, for she is working in her garden. Have women always done so—Roman matrons and odalisques in "hushed seraglios" and mediaeval housewives? In the long zigzag upward of the human race, what part has woman played between garden walls so that today—in this country at least—she should be the leading *genus* of gardening?

Yonder where the vegetables grow, a gardener turns on a long pipe that sprays jets of water from side to side like gentle rain. The thirsty earth drinks it up and the vegetables sparkle with its drops. Surely this, too, is an aged custom, this irrigation of gardens; but by what steps did it rise from clumsy beginnings to this convenient similitude of rain?

Further along, the garden loses its straight path; its beds begin to bulge in wide curves and its walks wind hither and yon. Is this the product of some new revolt against a too rigid formality, or did even this Naturalism experience a picturesque evolution? And into what dim forests of the past does that winding history lead?

Amid a grove of trees stands the marble figure of a faun. Why a faun? And what place has it in a garden? And what did it and others like it mean to men and women in the past and to the first man who set it up, these many centuries ago, in the garden he fashioned out of the wilderness?

A step beyond and we find ourselves in an upland meadow like those that lie in the hills about the Italian Lakes or around Swiss villages or on the sunny slopes of our own Rockies and Sierra Nevadas. Rocks disposed about this corner make genuine miniature pockets of these Alps, and on their ledges and in the tiny moraines blossom flowers so small that you must kneel to enjoy their minute beauty. No such flowers grow wild in the country around here. Who, then, conceived the idea of reproducing this Alpine environment and bringing overseas these tiny strangers? What lineage has the rock garden managed to accumulate in the past century?

Yonder, set out in a quaint pattern, grow herbs. Here we are on familiar ground! All old-fashioned gardens had their herb patch. Who can conceive of a gardening grandmother not growing Rosemary and Dill and Thyme? But where, we wonder, did grandmother learn how to grow and use these herbs? Can we see standing behind her centuries of men and women in religious habits within monastery walls? Can we see men patiently distilling the essences of these herbs and, beyond that, others venturing into the uncharted sea of healing the sick with them? How far back into the dim past of the race, into the menace of primitive superstition, travels the wayfaring of this herb garden?

Let us halt, now, where a garden bench offers us comfort. Here we may close the eye of today and wonder how all these things began. But even this bench arouses our curiosity. What kinds did the Greeks have, if they had any? And did the mistress of a castle sit on a bench such as this? Did the Persians, in the gardens of which Omar and Sadi sang, enjoy these comforts?

The quest for these answers leads us down the winding road that is the Story of The Garden. It reaches vast distances, this road, and into the hearts of ancient peoples in many lands. Along it we will meet a motley of men and women, all intent on the same purpose—kings and soldiers and mariners, scientists, explorers, artists, doctors, architects, priests and nuns, humble peasants and lordly aristocrats, rugged fellows and gentle queens and the shadowy ghosts of gods and goddesses and of shy spirits that haunted hilltops and forest glades and danced across the curving slopes of rolling meadows long ago.

—Richardson Wright



To produce a primitive effect

A portion of Mr. H. W. Hales's residence, designed in the community of Bunting, at Locust Point, N. J. has walls of untapered cypress, stripped siding. These walls seem sheathed with roof of slate tiles in random effect in reddish-brown tones, producing delightfully quaint effect. Howard and Bonner were the architects of [illegible]







ORIGINALLY the garconnière of an adjoining house, this place has now been remodeled as a home for Mrs. Albert Schwartz. Walls are of whitewashed brick; roof is slate. The gate shown at the left opens to the court at top of page. Part of the opposite side is also shown. Armstrong & Koch, architects. George Gallup, landscape architect

From old New Orleans' historical Vieux Carré

And now a room for grouping flowers

A useful asset for everyone who cuts blossoms to place in the house · By Robert S. Lemmon

One need not be a member of a learned horticultural society or an energetic garden club to know that cut flowers in the house are as important today as good pictures or music or any other of the recognized arts. Interior decorators and architects, no less than the men and women who dwell in the rooms which these professionals have helped to create, accord to the jar of pastel Zinnias, the bowl of Waterlilies or the slender vase of airy Baby's-breath and Pinks the high honor of being the finishing touch. Thus may the final and important step be taken in linking the garden with the house.

Obviously, the full perfection of cut flowers can be attained only when they are handled right from the time they are gathered until the last day of their usefulness. In order that such treatment may be simplified there is suggested here the establishment of a special flower room, wherein the pleasures of choosing and arranging may be conveniently followed. Let its purpose be practical, first of all, and to this end equip it with:

A good deep sink with hot and cold running water and drain board.

At least one ample bench at a convenient height for the work of arranging. Waterproof floor and ample windows.

A cool, well ventilated corner which can be darkened for keeping flowers intended for exhibition at shows, etc.

"Daylight" type electric bulbs to avoid color distortion while working with flowers at night or on dark days.

A substantial, roomy, waterproof receptacle for clippings, passé flowers and other debris destined for the garden compost heap. Better still, a chute to the cellar, equipped with a tight recessed door.

Small desk and chair for purposes of such printed, written, figured and scribbled impedimenta as only gardeners know how to accumulate.

A shelf for practical and not so practical gardening books.

One rugged straight chair or stool to sit upon while making subtle arrangements on the bench.

A comfortable lounge chair for moments of discouragement or admiration of achievements.

Supply of garden notebooks (specially designed kind or five-and-ten-store copybook style, depending upon personal taste and degree of true dirt gardening instinct in individual makeup).

Large variety of vases and bowls, pottery as well as glass.

Two or three very large, deep jars for Peonies and other tall flowers.

Stem holders for use in bowls, including the soft wire adjustable type.

Sweet baskets for Little Boy Blue school of flower arrangement.

Stout shears and two pairs of medium sized, pointed, long-shanked scissors (second pair to be used when Aunty has appropriated the first).

One ball of soft green twine for tying.

Soap and towels (good old roller type for genuine working gardeners).

Stain remover. Rubber or gift shop (arty) apron. Maybe a smock, also, for French peasant atmosphere.

Sensible garden shoes. Rubbers. Raincoat and hat that does not object to getting wet. (Umbrellas come under the general head of Infernal Nuisances, except for visitors' use.)

Supply of green waxed paper and collapsible cardboard flower boxes to contain cut blooms packed for departing weekend guests. Wrapping paper and twine for same. Printed stickers to paste on packages to make hit with said guests (suggested wording: "The Gleetzes wish you a quick recovery").

Tinfoil for nosegays, etc. Bulb sprayer to sprinkle flowers before boxing.

A generous sized, substantial gathering basket, equipped with light pruning shears, scissors, leather gloves for fooling around Rose bushes. Also a sizable pail which, half full of water, can be lugged into the garden to receive those flowers which wilt quickly if exposed to air.

Accessories to taste, such as cigarette box, ash trays, pictures on the wall, liquid refreshment, nail file, mirror for rearranging distraught locks, smelling salts, and tweezers for extracting Rose thorns from quivering epidermis.

Good taste, a love of flowers and endless patience in studying one of the subtlest and most satisfying arts in the world.



Equipment in the model room to the [illegible] include [illegible] containers. A desk and [illegible] essential [illegible] Schaefer, Logle River, Wis. Simon [illegible]



Japanese flower forms for tables in America

IN THIS summer arrangement, Heaven and Man are seen in Orchid sprays, left and right. Earth (Cornflowers) comes from behind Heaven. Heaven curves back, Man forward

FOR EARLY summer, let Wisteria represent Heaven (right) and Man, with a valley between. Orchids and rock complete one-half of this form. Earth, the Peony, is separated





Four examples of the art known as Ikebana



AT THE top is shown a late spring form. Iris and Larkspur together are Heaven and Man; Lilies-of-the-valley are Earth. Earth comes from the side front of Heaven and Man receding one third of the width

RYOMEN, a two-sided winter form, to be viewed from any position. Bridalwreath is Heaven and Man, with Iris, Baby's Breath, Roses and Narcissus as Earth. Flower arrangements by Miss Butcher

Arranging cut flowers as they do in Japan

Definite details for applying a famous Eastern art in Western rooms · By Mary Louisa Butcher

ONCE again the East has come to the West. Japanese flower arrangement has entered the American home and its charm and simplicity have already fascinated many of us. A few have gone further and have themselves made Japanese arrangements in their homes.

Many imagine that Ikebana, which is the name the Japanese give this art, is something mysterious and beyond reach or patience. But it is so only superficially. Actually, Ikebana is a practical and valuable technique for giving design or unity to the flower arrangements we are constantly making. Each arrangement is really a picture whose proportions, perspective and color combination are compelled by artistic considerations and the proposed surroundings. The Japanese are preëminent in this field. Not because they have a monopoly on creative artistry, nature worship or such mysteries as flower cults or awesome flower ceremonies; but because they have attacked the problem from sound artistic principles and because they love growing things.

IN THE days before the 15th Century the lives of branches beaten down by storms were saved by Buddhist monks, and a little later we hear of the masters of Tea Ceremony decorating their rooms with first a single flower, coming gradually to formal and symbolic groupings of flowers. From these beginnings more than one hundred schools have developed, varying minutely in opinion but returning always to the verity of the original principles.

For use and decoration in American homes, the forms developed by some of these schools are better than others. Some forms require for each arrangement days of patient handling even after many years' study. Others require less than an hour's work after only some weeks' study. Obviously the former are not for us. To make a beautiful flower bed requires neither the same time nor the same resources as to make a beautiful park. Each has its place. They are not to be compared.

EVERY Japanese girl of the middle and upper classes must receive her flower diploma before she is married. Therefore the teacher must form a point of view and practical technique that will reach the average girl's intelligence. He uses symbols to explain the forms he has in mind. To learn the technique of the art the pupils must imitate the teacher's gestures. Symbols for the mind and silent imitation for the hand make an approach that is much too Oriental to reach the average American who is fond of flowers. A more direct method is needed to answer our more direct American attitude.

If we want to make an arrangement for a luncheon or a flower exhibition, we grope for an idea—a pretty vase, a "new" flower, a good color combination—but we seldom place the emphasis on form, which is the heart of any artistic creation. What music is formless? What building is without design? In most vases we have beautiful color from Nature's palette, some perfume of Nature's alchemy, but our touch fails to add one iota to its meaning.

The great joy in practicing the Japanese form is the joy of creating an artistic unity. To have a keen eye, a practiced hand; to have the satisfaction of bringing the arrangement into proportion, into harmony with itself; to aid and abet Nature—all that is one's pleasure. Every tree one sees can, with the principles of Ikebana in mind, become a study in beautiful formation. The main trend and the subordinate trend of the trunk and branches become a textbook. To some people a flower is enough; it can not be made inartistic because it is naturally beautiful. But there is a pleasure greater than the joy in individual blooms. To study each branch for itself and for its relation to the whole; to contemplate lovely things and put a meaning, a unity into their combination—this is restful and gives a sense of peace. To have beauty in the mind and then to realize this in actual arrangements—this is the art.

THE illustrations on the preceding pages are from the Ikenobo school in the Moribana form. The following equipment is needed: a bowl, holders and strong scissors. The slender vase is never used in this form. The bowl must be flat inside so that the lead holders can be placed without slipping. Bowls 2″ to 3″ in height and from about 12″ to 20″ in diameter are the best. Bronze, porcelain, glass or baskets in the flat open shape can be used. They may be round or oval.

The most satisfactory holders to use are the "two circle" or "three circle" lead holders, *hanadomi,* made in Japan. They can be found in the largest American cities. For very heavy branches the long 5″ "water holder" is useful. Any low holder in which the branches can be placed on an angle is satisfactory. The ordinary perforated glass holder, though usually heavy enough, is too exacting in form. The wire holders are not strong enough and are too high.

Before beginning, have a number of branch or stem cuttings 2½″ to 3″ long, cut on a slant. These help wedge the branches into the flower-holder sections. When the branches are first trimmed and clipped to the proper length, some extra pieces can be stripped of their leaves and rough edges and used as cuttings.

EXAMINE the form in the illustrations. The first thing to observe is the backbone, the strongest line in the arrangement. Often it can be traced its whole length from the holder or perhaps only in vistas, as we see the trunk of a tree. The Japanese call this leading principle *shin,* or Heaven. Of the same branch or flower is made a line of lesser importance, which falls away from *shin.* This is *soe,* or Man. There is always a dip or valley between the tips of *shin* and *soe.* If the arrangement is on the right of the bowl, as in the yellow arrangement, Man is placed to the right of Heaven. In the other instances Man is on the left. Man is never so tall or strong or straight as Heaven; but he always looks upward toward Heaven in aspiration. A good height for heaven is 1½ times the diameter of the bowl used; this is for the average arrangement which is to be seen from only one side.

For the all-around-view dinner table arrangements, two winter Moribana forms are usually put back to back. This form the Japanese call Ryomen, or two-sided. An example of it is shown at the lower right on page 43.

THE depth and contrast in the arrangement are made by the third principle *tae,* or Earth, which is generally made of flowers, sometimes of contrasting greens and branches. There is also a dip or valley between the two ends of *tae.* One end of *tae* is placed against Heaven and Man, the other is the lowest point in the triangle. Earth, *tae,* takes the opposite direction to Man, extending across the bowl. Man is the re on

(Continued on page 80)



An Elizabethan house in a woodland clearing upon an Ohio hillside





Ernest G. Graham

Lawrence Arnold [illegible] natural beauty of its site, the English cottage [illegible] Mrs. Selah Sullivan at Gates Mills, Ohio, is fitted into, rather than built on, the hillside. Guardianship of the house they [illegible] Oaks whose inter- [illegible] of the [illegible]

[illegible] the house only such native material as [illegible] loosely with water-worn native [illegible] perennials as Delphinium, Bleed- [illegible] Gray was the landscape architect

Bruehl Photo—Conde Nast Press



A REFRESHING scheme of pink, red, black and white gives added interest to this modern luncheon table. The plates, with their charming bowknots and dotted borders, are Theodore Haviland china from B. Altman, and the Fostoria glass, for black accents, is from Lewis & Conger. The Gorham silver is the Modern American pattern of Black, Starr and Frost-Gorham; the damask cloth comes from Maison de Linge

LOVELY shapes of old Wedgwood have been retained in this luster tea set which combines new design and coloring with graceful forms of the past. The use of coral with silver and brilliant yellow is particularly happy, while the modernized Chinese pattern is smart in either a new or old setting. This set may be imported through Ovington's. Yellow organdy tea cloth with embroidered edge, Grande Maison de Blanc

Inspiration for the perfect table

setting lurks in these gay designs

Below is a collection of period [illegible] and informal use. Many are open stock patterns [illegible] can be had, it should. China courtesy Wedgwood [illegible] Rosenthal, Lenox and Edmundson Worcester. From W. H. Plummer, Gorham Co., Inc., Reed & Fraser, Oneida Community, Ltd., Inc.



Bruehl Photo—Condé Nast Press



SHEARED formal conifers give a colonnaded effect to the central turf panel which lies between the two water features in the garden of Mrs. J. F. Skinner, in Pasadena. Wallace Neff, architect; Charles Gibbs Adams, landscape architect

POTTED Geraniums frame the base of the James E. Buchanan patio wall fountain in the Palos Verdes Estates. A generous use of plant material characterizes the arrangement. Below is shown the Palos Verdes patio of Dr. Otto J. Stein





California contributes three contrasting garden glimpses

Modern Delphiniums that cap the garden's climax

By Edward Steichen

A PERFECT bloom of Le Cygne bears witness to the progress made with Peonies since the period when the opening buds of the "Piney bush" growing alongside the pump in the front yard brought forth an annual ritual of beauty worship. In the stately grandeur of Sir Michael or the baffling opalescence of Candelight, the old garden Iris has almost achieved perfection. Responding to a widespread and growing interest, plant breeders have given most of our tried and true garden perennials added qualities until even the lowly are becoming true garden aristocrats. Sometimes the change has been very slight, occasionally it has gone in the wrong direction. For a time it looked as if the Oriental Poppies were going to have their grand flamboyance changed to anaemic pinks, when out stepped Dr. Neeley with a Poppy that was really red and that from every other angle was a model of what a worthy new plant should be.

The most spectacular and revolutionary developments in garden flowers are being made with the modern Delphiniums. The resemblance to their wild ancestors is casual and their nearer garden ancestors, with the three- or four-foot spindly stalks topped with ten or twelve inches of small smoky violet blue flowers, have been replaced by almost unbelievable new monarchs with stately stems holding spikes of blossoms three, four and almost five feet long.

The individual blossoms—single, semi-double and full double—are often over three inches in diameter and run in a range of color that starts with the all-over snow white, then white with a very large black bee and black flecks—even picotee edges of black. There are creamy whites with bright yellow bee; porcelain whites with the faintest trace of lavender, mist and fog tones; rosy lavenders with palest blue sheen; light vivid sky blues washed with a silvery lavender, sometimes with white or honey color bees. Then a swift crescendo of intense blues, lavenders and violet reaches a climax in deep rich blues and purples. The orchid and sky hues with their fuzzy honey gold centers are fresh and warm as the laughter of children, while some of the rich nocturnal blues and purples enriched with their black centers have deep sinister overtones.



DELPHINIUMS cut from the author's garden, of all types from 'pipe cleaners' to broad base Wrexhams, and single to full double. The flower spikes are three to four feet long.

The first important steps taken in the evolution of the modern Delphinium are generally credited to Kelways in England and Lemoine in France.

Most of the best varieties grown in Europe today are of English origin and are the result of years of the painstaking and inspired efforts of several master horticulturists. The outstanding single contribution from any one of these, I would credit to Watkins Samuels, originator of what is called the Wrexham type. The origin, as far as parentage of modern Delphiniums is concerned, is an obscure and debated question—the complexity of heritage is evidenced by the extraordinary variation in their progeny. If the seed of but a single plant of one of the more recently produced Delphinium were sown on a large scale and a selection of seed from the resultant plants be sown again in turn, it is very likely that within a few years it would be demonstrated that almost every existing type of Delphinium could be at least superficially duplicated.

Some plants reproduce certain of their own qualities as well as their defects quite freely; others have offspring that rarely resemble the parent. But up to the present there are no fixed strains of Delphiniums. Each grower has in mind a more or less fixed type he prefers and selects accordingly, but seedlings from his plants do not always follow his inclination and can hardly be called his strain. No serious attempt has been made to fix or produce a type of Delphinium that will come true from seed, yet while it would be obviously difficult it is not impossible.

In 1916 or 1917 W. A. Toole, in Wisconsin, found what he called grayish white seedlings in a batch of *Formosum coelestinum* raised in (Continued on page 84)



Northwestern flower gems for Eastern rock gardens

By F. F. Rockwell

It is only during recent years that we have commenced to appreciate our own native plants. The untiring enthusiasm of a few plant hunters, and the missionary work done by still fewer magazines in introducing their discoveries to the gardening public, have at last borne fruit. Little by little some of the fine things which for these many years we should have been enjoying are beginning to find their way into commercial production and thus become generally available.

Of the Pacific Northwest plants mentioned in this article, practically all are now commercially available, and have been sufficiently widely distributed to show what they will do under average conditions. While the climate to which they are accustomed near the coast is mild-wintered and ideal for many things which will not do in the Central West and the Northeast, most of these plants come from mountain slopes or meadows, where they endure climatic conditions much more severe than any to which they are likely to be exposed in Eastern gardens. Often, in their native terrain, they are covered with snow and ice until late May or June.

In selecting from the scores of plants available, it is possible to present here comparatively few. I have omitted several important groups, such as Irises, Erythroniums and Erodiums, which have already been described in these pages.

We begin with the Lewisias, a group of low growing, fleshy rooted, thick leaved little plants. From the attractive, compact rosettes of their foliage, evergreen in most species, are sent up stout branching stems, six to ten inches tall, terminating in showy clusters of small but beautiful flowers, white, pink, or apricot, with darker bands or stripes down the center of each petal. One of the best known is *columbiana*, pink and white; but the more recently introduced *C. rosea*, a form from Mt. Hamilton, with larger flowers of deep rose-purple, is con-



sidered finer and is remarkable for its extremely long flowering period—May to November. A white form has been selected. *Finchi,* with broader leaves and flowers light salmon, shaded apricot, is very lovely but less hardy, coming from Southern Oregon and California. It flowers in July in the mountains, but several weeks earlier in the garden. *Howelli,* apricot flowered, and Cotyledon, with flowers white, rayed pink, are others. All the preceding have evergreen foliage. Two deciduous species are *oppositifolia,* from northern California, with long, narrow leaves and pure white flowers like tiny Asters, and *rediviva* (British Columbia to Oregon) bearing waxy flowers of pink or white resembling miniature Waterlilies.

All of the Lewisias should be given a deep, gritty soil, with some humus but perfect under-drainage. The deciduous sorts especially want full sun. *Finchi* requires a good "baking" in the sun during late summer, to ripen it up for winter. *Columbiana rosea* and *rediviva* are probably the two best to start with. Some winter protection, in the Northeastern States, should be provided.

The Pentstemons, like the Phloxes, are a typically North American genus of plants, but much less well known. As many of them are excellent for rock and wall gardens they are now beginning to come into their own. Like the Lewisias, dwarf Pentstemons should be given a gritty, well drained soil and full sun, but they resent extreme heat and dryness. They have a long flowering season, some species blooming more or less continually from June to September. While the taller forms, such as *barbatus torreyi* and the new Sensation or Shirley Giant hybrids, have become fairly well known, the dwarfer sorts, suitable for rock gardens, as yet have not. The following are dwarf evergreen shrubs:

Heterophyllus, from California, under a foot high, (*Continued on page 78*)



[John Kabel]

ABOVE: Sedums and Sempervivums are among the worthwhile succulent plants native to the West Coast. In the upper left corner of the print is the dwarf *Trillium ovatum*, one of the real gems of the Northwest. Opposite, a view of the tropically luxuriant vegetation found in an Oregon forest near the coast

LEWISIA is a native of the mountains of southern Oregon where it comes into flower during July. Under garden cultivation at lower altitudes it usually blooms during May. Like others of its tribe, it likes a deep, gritty soil, with some humus but perfect under-drainage. Full or nearly full sun is best





Maitland Anderson





A club devoted to the art of throwing double sixes

BACKGAMMON achieves the dignity of special settings and the Double Six Club at the Waldorf is a fine example of smart game rooms. (Above.) Blue walls, gold curtains, black and gold chairs

THE lovely overmantel copied from an old glass panel brings colorful notes to this backgammon room. Pale blue ground, with flowers in rose, magenta and emerald green, framed in gray and gold

BLUE glass panels bordered in gold leaves and pilasters and a rug patterned with Calla Lilies and blue bow knots complete the background. Decorated by the late Mrs. John Alden Carpenter

What's new in building and equipment

These recent developments will interest home owners and builders · By Gayne T. K. Norton

HUMIDIFYING RADIATOR. A radiator of humidifying type is suggested to improve air conditions in the new or the old dwelling during winter months. Such a unit may be installed in place of a radiator of the usual type. One humidifier is said to be sufficient to satisfy all requirements of the one family house.

Supplementing the heating system with humidification is recommended by the Hart & Hutchinson Co., which firm is offering a special unit said to automatically and noiselessly evaporate fresh water into pure air. Under normal temperature conditions, seven to fifteen gallons of water will be converted into vapor each day and diffused into the atmosphere of the six to ten room dwelling. Shrinkage of furniture and the hazards of ill health to the household are said to be considerably lessened by the use of such equipment.

CONCEALED RADIO WITH REMOTE CONTROL. Broadcast receiving equipment built into the residence has come. It combines radio entertainment with phonographic record reproduction. Loud-speakers are located at several strategic places about the house. Operation is vested in a push button control box, which may be plugged into any one of the control outlets provided as part of the concealed wiring of the complete system.

No longer is the sensitive mechanism of the radio receiver and reproduction unit accessible to the tinkering of the idle curious. It is housed in a steel locker cabinet, installed out of the way in attic, basement, garage or storeroom. The phonograph equipment is placed in some accessible closet, for it will still be necessary to load the magazine, although records will be shifted automatically.

Speakers are located where they will render to best advantage every type of program. Thus the stair hall ceiling is a logical place from which the loud volume of orchestral or organ rendition may come. Programs of a more intimate nature require speakers in small cabinets located in various rooms. Even the kitchen and the bathroom is now to be equipped for radio reception.

With development of this built-in equipment, efficient operation by remote control is offered. The manufacturers, Stromberg-Carlson Tel. Mfg. Co., have perfected a control box which will start and stop either the radio or the phonograph from any one of the outlets into which the box may be plugged. It will increase or diminish the volume from radio or phonograph and will switch the program to any one of the four or more speakers located about the house. Pressure upon the appropriate button will tune in any one of eight favorite radio stations silently and automatically. Other stations may be tuned in visually with equal ease and silence. Transfer of reception from some weak, distant station to a powerful one nearby will not be accompanied by loud blasts of volume.

RUG ANCHOR. As a lining under rugs and carpets, the sponge rubber product of the St. Clair Rubber Co. furnishes safety for those who use them and affords protection from the harmful, abrasive dirt that collects under woven floor coverings. Dust, grime and grit cannot penetrate this lining; these injurious substances are thus kept within sweeping range of vacuum cleaners. The product is moth and moisture proof and provides adequate insulation.

WALL BOARD ACCESSORIES. In the reconditioning of old homes, as well as in the construction of new ones, wall boards may now be used with greater assurance of satisfaction. The Upson Co. has developed a clinching fastener which is nailed to studding or furring prior to application of the board. The back of the wall board is driven against the prongs of these fasteners, care being taken to protect the face from damage by hammering upon a nailing block. Such unsightly surface evidence of nailing as nail heads or filled in nail holes is entirely absent.

The armored joint to protect that weak spot where two wall boards are butted together is another significant forward step. A stout, wafer-thin, perforated metal alloy strip has been developed by the United States Gypsum Co. It is two inches wide and is applied with a special cement made for this purpose. A joint that is thus protected cannot be detected by brushing the hand across it.

MODERN GAS RANGE. In line with the new vogue, a cabinet top range is being manufactured by American Stove Co. which is porcelain enameled in old ivory finish. It presents the advantage that with the top closed meddlesome fingers cannot get at the concealed gas valve handles. It is modern in its appearance and in the facilities provided for convenient cooking. Rust-resisting metal finish and insulated oven indicate its usefulness for a long period of service with economy of operation.

DECORATIVE WALL FINISH. A material is made available for wainscot and wall finish which has a high polished surface of unequalled appearance and long life. In original state it is plastic, and is molded under heavy pressure into sheet form. The finished material is capable of withstanding wear, fire and chemicals to an unusual degree.

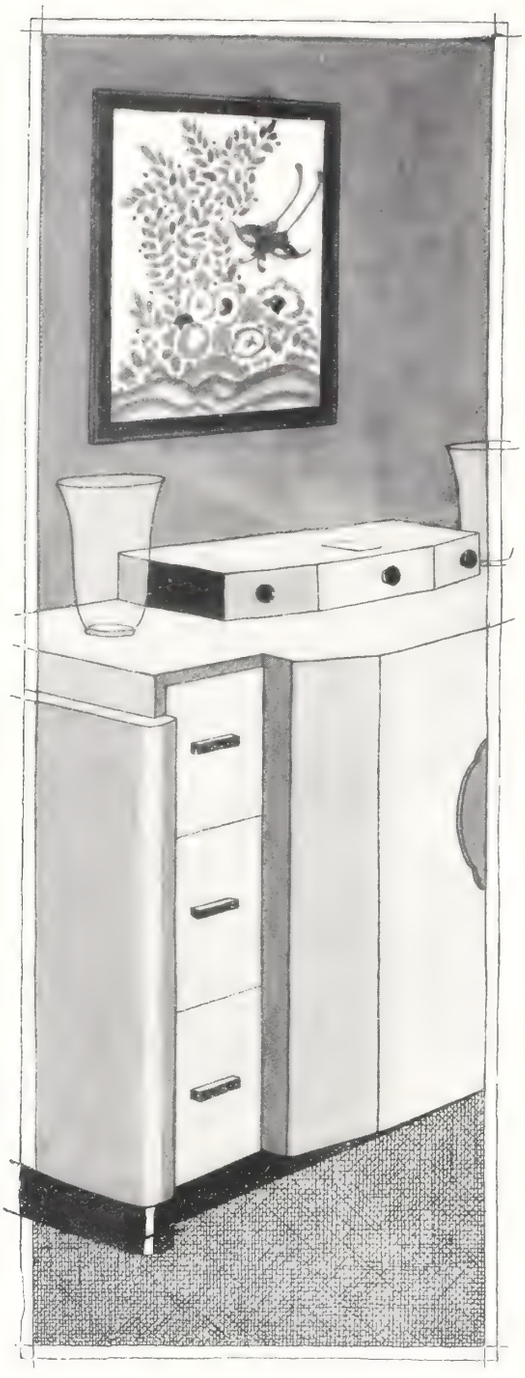
Reproduction of fourteen wood finishes, two marble finishes, seven tapestry designs, three conventional designs and six plain colors, including black and white, is announced by Westinghouse Electric & Manufacturing Co. The marble finishes offer definite advantages over the quarried product in that light weight simplifies handling, toughness assures against breakage, nonporous structure prevents stains and the material is warm to the touch.

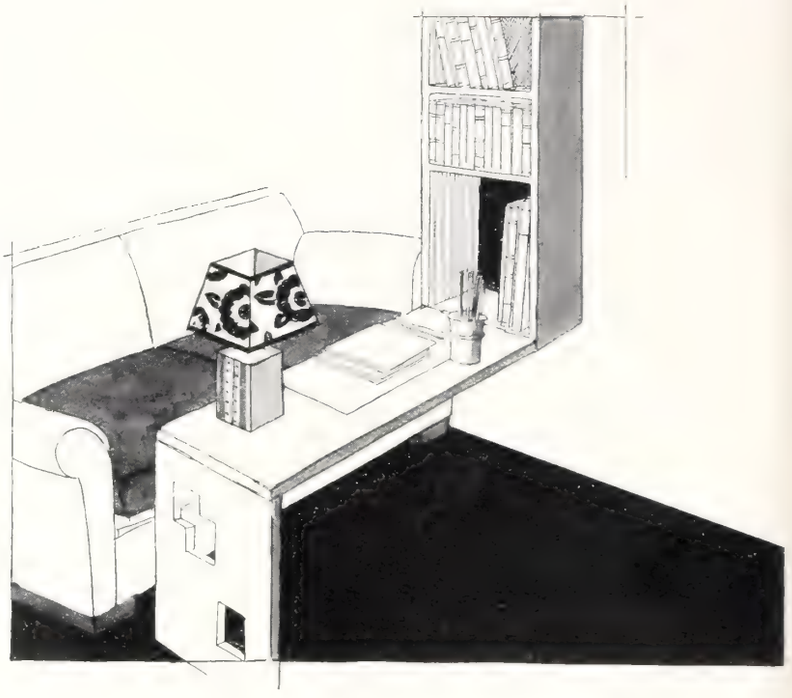
Tapestry designs are available not alone for wall decoration; they are equally effective for table tops, so that the housewife need no longer display cloth under glass. Put to this particular service the material will not break nor easily scratch, a lighted cigar will not mar its finish, nor can any ordinary liquid affect it.

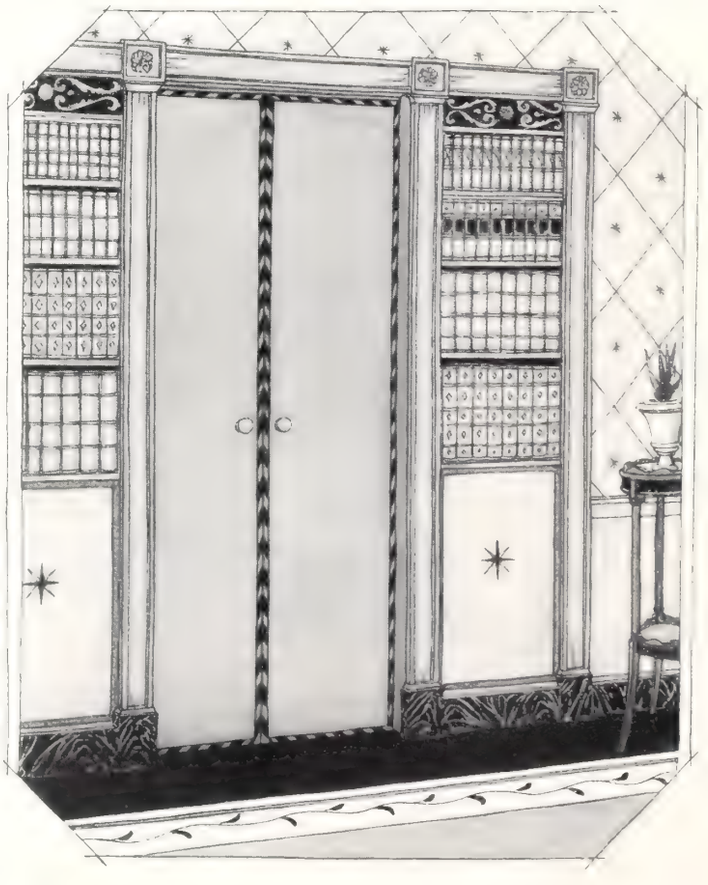
ELECTRIC REFRIGERATOR. An enameled steel electric refrigerator is available in six models for families of varying size, wherein maximum shelf area in comparison to the size of the box has been provided. Accurate spacing of the shelves accommodates storage of a plentiful number of bowls and dishes. Seven point temperature selector, flat buffet top, and broom high legs, are additional advantages which will appeal to the housewife.

Forced draft cooling is a feature in the operation of the quiet mechanism of this refrigerator, manufactured by the Westinghouse Electric & Manufacturing Co. Complete isolation from outside interference is claimed for these operating parts, which are hermetically sealed in an air-, dust- and moisture-proof shell of steel. Mechanism runs in a permanent bath of oil, requiring no attention, and is further protected from overheating by a convenient automatic cut-out switch (Continued on page 54)

Fresh solutions of old problems are found in these seven ideas



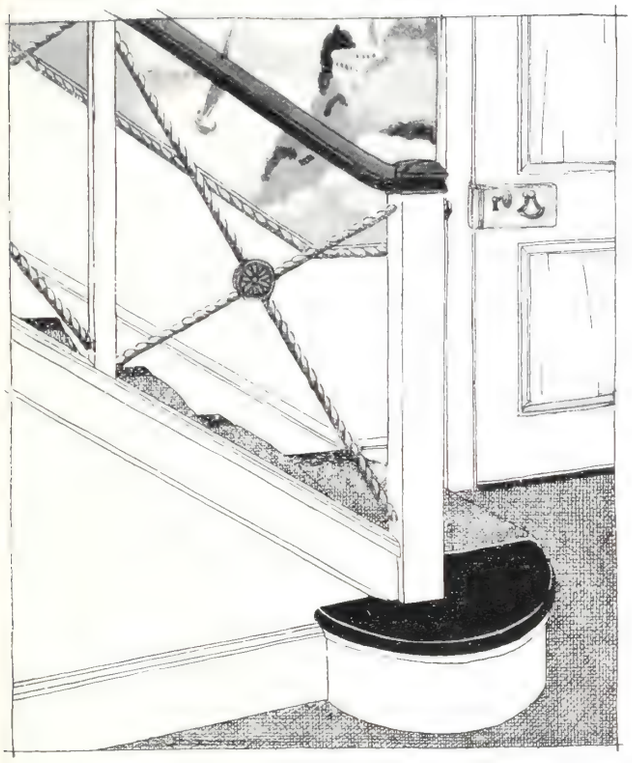




IN DIMLY lighted rooms it is often desirable to focus illumination on objects worthy of special lighting. This is done by concealed spotlights equipped with special lenses of the kind to be found in home movie projectors.

A SIMPLE writing table can be made by using a narrow wall bookshelf with a hinged front which lets down. As the foot and bottom of the shelf are decorated, the effect when the fold-back is shut of a small cabinet

THE WIDE opening with sliding doors often cries for improvement. Use wood pilasters to cut down the opening and fill the side spaces with plaques of book bindings. The sliding doors are faced either with leather or fabric



INSTEAD of wooden banisters in a Colonial hall, stretch cotton rope obliquely and paint it a color to match the railing. Carved wooden rosettes the same color grip the intersections

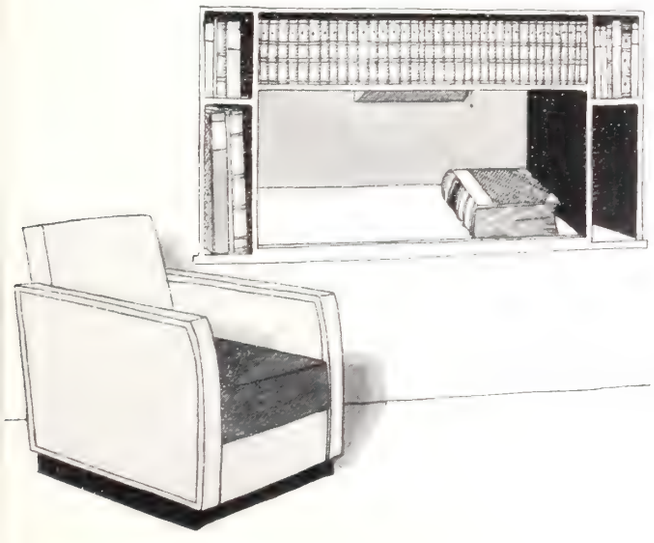


A PLEASING effect may be made by placing a small urn of green leaves before a framed botanical print. When seen against a dark wall such a grouping will be especially attractive

A SLANTING shelf would help solve the problem of those heavy tomes that one has to consult occasionally. An electric bulb above lights the book yet will shield the reader's eyes



TO DECORATE a narrow hall, use whitewood pilasters against Italian pink walls. Paint the base black, cover the column with gray marbleized paper and the urn may also be gray





LONG TRUMPET



[illegible]



DOUBLE FORM

Meet the eleven tribes of Daffodil

By Mrs. F. Stuart Foote

In the minds of flower lovers and gardeners in general, there seems to be much confusion about the various classes of the big family of Narcissus. Is it not high time that this unnecessary situation be cleared up? Because, you see, the Narcissus is fast becoming one of the most important flowers in our American commerce. Few people have any conception of the magnitude of the Narcissus bulb growing industry in the United States or realize that it has attained a position of great importance to our horticultural and industrial world.

To those of us who dearly love our Daffodils, it is most encouraging to know that several garden clubs have formed permanent Daffodil committees and are quite successfully carrying on competitive test gardens for the purpose of gaining first-hand experience and knowledge about some of the varieties which are now in our country and that a number of excellent Daffodil shows have been staged this last year.

Within a year or so, gardeners who wish to have a well-rounded knowledge of flowers will give the Narcissus equal importance with the Iris, Rose, and the Peony. I suppose, however, we will always have the type of woman who said to me the other day, when I told her there were several thousand varieties of Narcissus, "Why, I always thought there were only three kinds —Daffodils, Jonquils and Narcissus."

Because of our varied climates, every known kind of Narcissus can be grown in some part of the United States; and so we should become happily familiar with all of the eleven classes of this big family. We should learn at least a little of their origin, making a background for them in the countries where they grow wild.

The Narcissus family has a very wide range of habitat, extending from far northern Scandinavia to as far south as the Canary Islands and east through Morocco and Algiers to Kashmir, China and Japan. What a fascinating treasure-hunting trip that would make!

The species having the widest range is the very, very old Tazetta or Polyanthus type, commonly called "bunch-flowered" because they have many flowers on a stem (we all know the Paper-white Grandiflora of our greenhouses and our five-and-ten-cent stores). It is found in great variety from France to China. Being tender, it is confined to the warmer climates and is now being grown by the million in North Carolina, South Carolina, Florida, Texas and California. Perhaps a dozen varieties of these Tazettas are grown in the United States, while in 1800, nearly three hundred forms were grown in Holland for the supply of the European markets, where they were the popular flower before the big trumpet Daffodils came into commerce. A collector, travelling from Japan to Spain, could gather forty to fifty varieties of Narcissus, all quite distinct from each other and growing as native wildflowers.

It is strange, however, that in all Great Britain, where the modern Daffodil is the most deeply loved flower, the "Lent Lily" (Pseudo-Narcissus) is the only variety that grows wild, covering the woods and meadows almost like a weed. The flower has no garden value as it is rather insignificant and will not stand transplanting.

In order to account for the origin of the various classes of the Narcissus, we must hastily review the most important events which led to the birth of the modern Daffodil. Less than one hundred years ago, in 1840, William Backhouse and Edward Leeds, two English business men, began to collect and grow Narcissi and to raise seedlings of their own from the cross-pollinating of these various varieties. Some dozen of their seedlings produced varieties well known in commerce today.

An intelligent, ambitious young man, Peter Barr, of the small nursery firm of Barr & Sugden, London, began to collect all the varieties then known to commerce. Later, he bought all the seedlings of Leeds & Backhouse, which he planted and grew in his own nursery, studying them for ten years. He selected one of the best and named it "Emperor" and this variety is now grown by the million. He made journey after journey to collect the species varieties wherever they grew wild, took them home and studied them. He wrote about Narcissi and lectured all over the world, so winning his right to be called the King of the modern Daffodil. The present firm of Barr & Sons, located in London, does honor to his name.

Many hybrids were raised and the English gardeners became interested in hybridizing. By crossing small white trumpet Daffodils with various *poeticus* varie-

ties, an entirely new type was produced with a shorter white trumpet, which was called *Leedsii*, after Mr. Leeds, and another with still shorter cups, called *Barrii*, after Peter Barr.

In 1629, John Parkinson describes ninety-four varieties of Daffodils. He was a great lover and grower of the Daffodil and is the raiser of the first seedling of which there is any record. In writing about a big yellow variety he says, "I think none ever had this kind before my selfe, nor did I my selfe ever see it before the year 1618, for it is of mine own raising and flowring first in my Garden."

More than two hundred years later came the splendid work of Dean Herbert, Haworth and others. Next followed the creations of Leeds, Backhouse, Barr and their contemporaries, with which our present group of wonder-working hybridizers began their work of improvement.

The most famous of these modern men is Rev. George Engleheart, of Dinton, Salisbury, England, whom the Rev. Joseph Jacobs calls "the Daffodil maker", because he has originated by far the most of the marvellous novelties of the past fifty years. He is a descendant of Dean Herbert and seems to have inherited some of the brilliant qualities of that man of science. He is over eighty years old today but for all that is still producing the finest outstanding varieties which make him hold his place of loving honor throughout the Daffodil world. I have never met a finer man nor one whose friendship I value more highly.

Then there are Mr. Guy Wilson, who we hope will come over to lecture to us this fall, Lionel Richardson, A. M. Wilson, P. D. Williams, Mr. Crossfield, Copeland (the man who has given us such marvellous new double varieties as Mary Copeland), Herbert Chapman, R. H. Bath, Ltd., F. A. Secrett, Barr & Sons, William Backhouse, Mrs. R. O. Backhouse, Miss Ellen Willmott, The Brodie of Brodie Castle, Scotland, and many, many others like them. Every year more and more enthusiasts are beginning to hybridize and grow seedlings. It takes from four to five years from the time the seed is sown until the flower develops. That requires much patience, but I ask, "What other kind of sport is there which holds for the winner five whole years of anticipated joy?"

And so the varieties are crossed and recrossed, married and inter-married, and new forms have come into being, and the Royal Horticultural Society of London has scheduled eleven classes for the placing of a flower in its proper group.

But first, we simply must answer that old question which shows the very common confusion in terms. "What is the difference between a Daffodil, a Jonquil and a Narcissus?" I have often heard a satisfied sigh of relief when I begin to answer this question. It is so easy when you remember that Narcissus is the big family name—that no matter what the class may be, it is a *Narcissus*. Now the (Continued on page 90)



TAZETTA





TRIANDRUS



POETICUS TYPE





A duplex in Manhattan becomes Eugene O'Neill

EUGENE O'NEILL and his charming wife, Carlotta Monterey, when in New York, enjoy the suroundings of a duplex apartment into which they have gathered mementoes of their travels. The bedroom, shown at the left, has an antique Chinese dressing table of carved and gilded lacquer lighted by tall cat-tail candelabra

IN THE living room pale water green walls, coral red satin curtains and a black carpet form the background. A barrel chair is covered with a chintz in mauve, yellow and coral on blue. Here also are found antique Chinese lacquer pieces in brown and gold and a collection of old Chinese pewter, paintings and rare objets d'art



Vern Bissell



THE narrow winding stairway that connects the two floors is ornamented with a collection of macabre African masks and rare native drums that Mr. O'Neill brought home from French equatorial Africa. These are set against a background of green walls





STEEL ships and the sea go down to the sea in them are Mr. O'Neill's hobby and have loomed in his plays, it is natural that this study be decorated with them. The rug here is Chinese in sapphire blue and the same color is used for the window curtains and chair coverings. The furniture is mostly Early American in type

ONE of Zuni fetishes on a ledge pots [illegible] of the dining room. Against its brilliant colors are set interesting pewter sidelights, Georgian silver and 18th Century American pottery lamps. The rug is sculptured and the same principle of the same tint. The decoration [illegible] by the Chinese Rugs

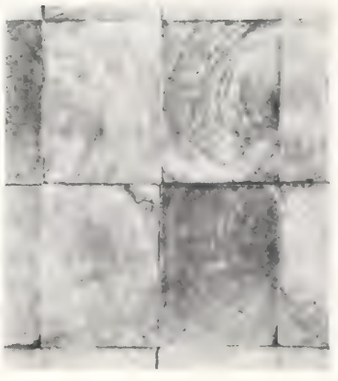
Backgrounds for modern bathrooms show smart effects that will endure

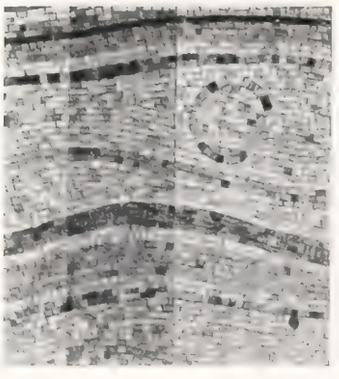
THE FOUR bathrooms illustrated reveal new wall treatments. Mosaic in a pattern of red, blue and green waves alternates with black vitrolite panels on the walls of the bath below. The Kohler fixtures are cream porcelain; the floor is covered in green and tan rubber tile

OF SHINING distinction is the room at the right. The walls are covered with gold shells, their soft iridescence accented by gleaming black porcelain fixtures. Fittings are of chromium in pewter finish. Both these baths were designed for the Kohler Co. by Ely Jacques Kahn

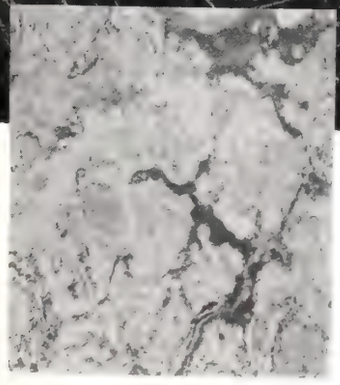












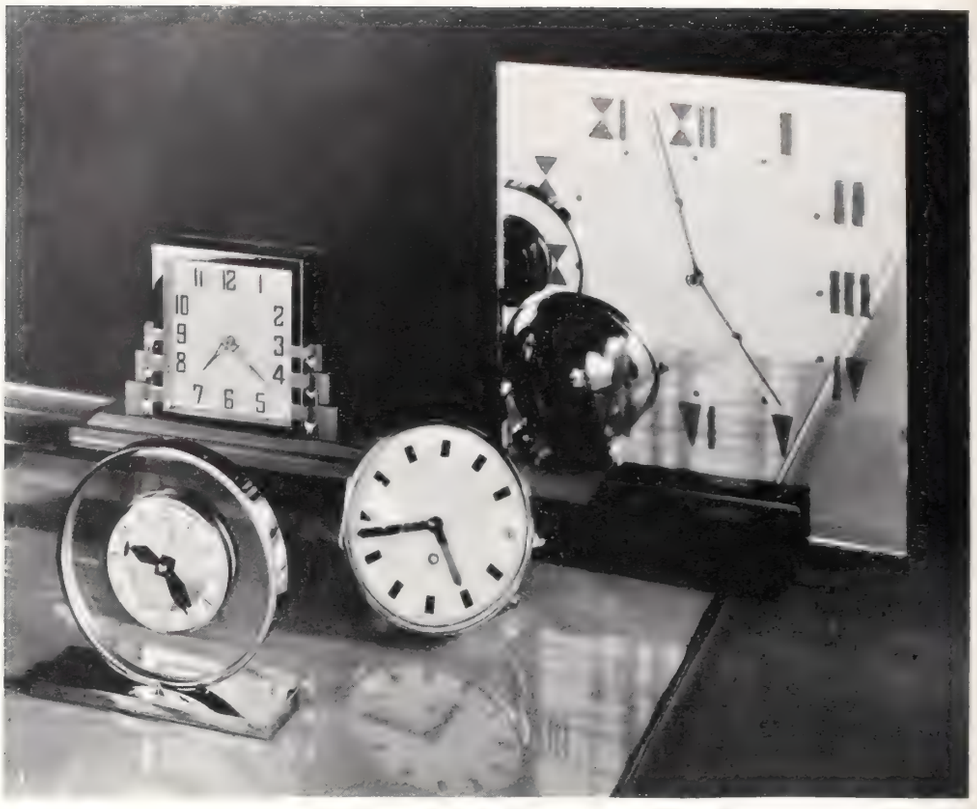


THE MARBELLED walls, pro-
duced by block printed pa-
ters in the room above,
ribbed with a
wall covering in tones of
room marbled in golden b
Concolour. Note
rust to this bed
the porcelain fittings in
yellow. Ensor

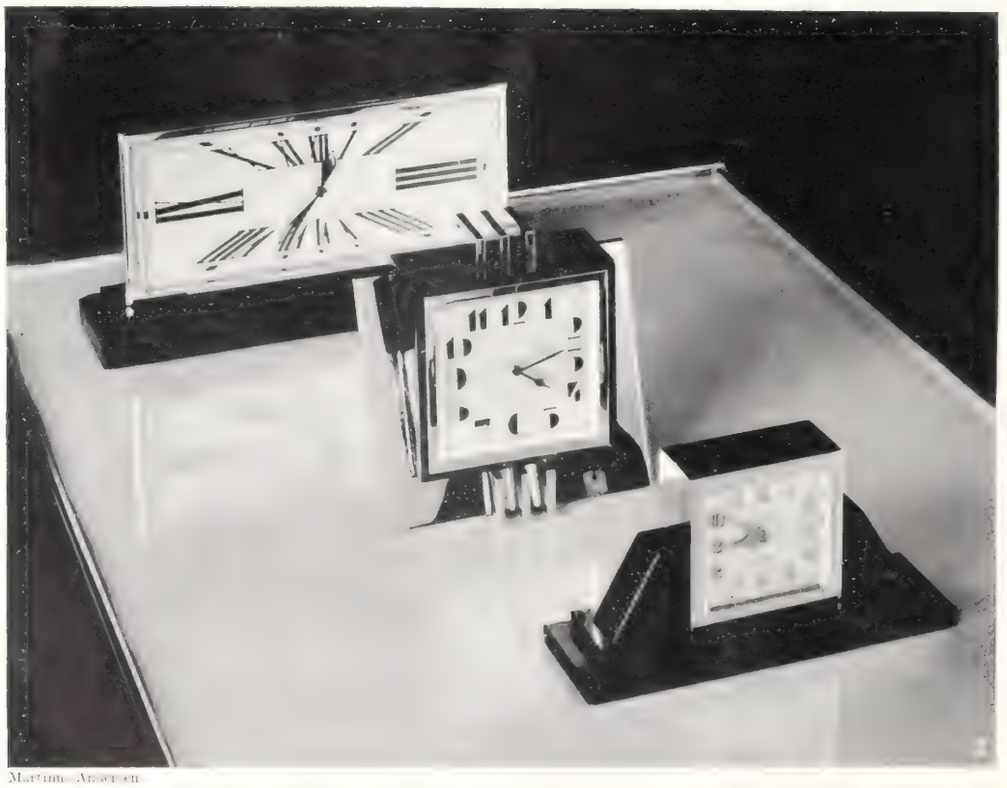
THE HORIZONTAL lines of th
for green marbon tiles on
walls increase the appear
of the bathroom shown a
the right. The ceiling is
painted the shade of
Arabic porcelain
green with tinges of
um. This room was de
for Kohler by H. Jacques Ba







Chromium, glass, wood inlay and mirror make distinctive clocks to meet the time



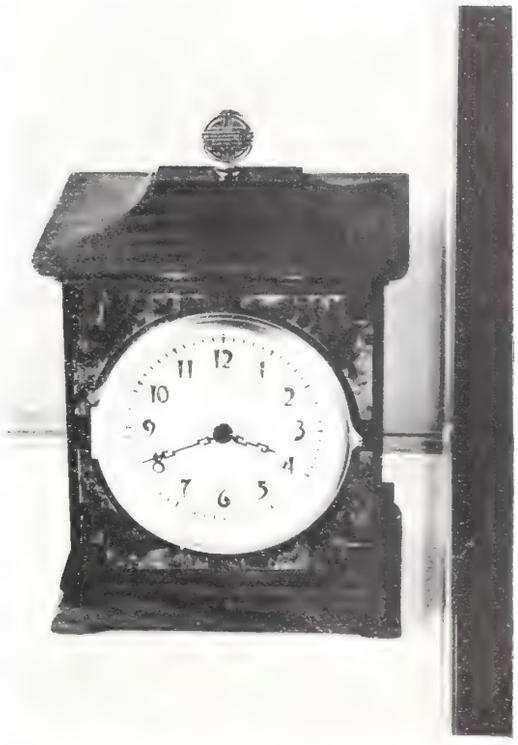
Martinez-Anderson

1. COPPER mirrored glass with etched numerals; Les Arts Modernes. Clock without numerals; Rena Rosenthal. Chromium and green squares decorate a clock from Cartier. Time is told in circles of crystal and chromium. Greenleaf & Crosby

2. THE graceful lyre clock, of excellent workmanship and fine design, brings to mind the high ceilings, fine boiseries and luxurious fabrics of the Louis XVI period. It is a practical objet d'art well worthy of treasuring always. From Jacques Bodart

3. CHROMIUM with an onyx base—a low, oblong clock from Black, Starr & Frost-Gorham. Another desk timepiece is carried out in green marble and chromium; Greenleaf & Crosby. A black onyx pyramid holds a small chromium clock. Udall & Ballou

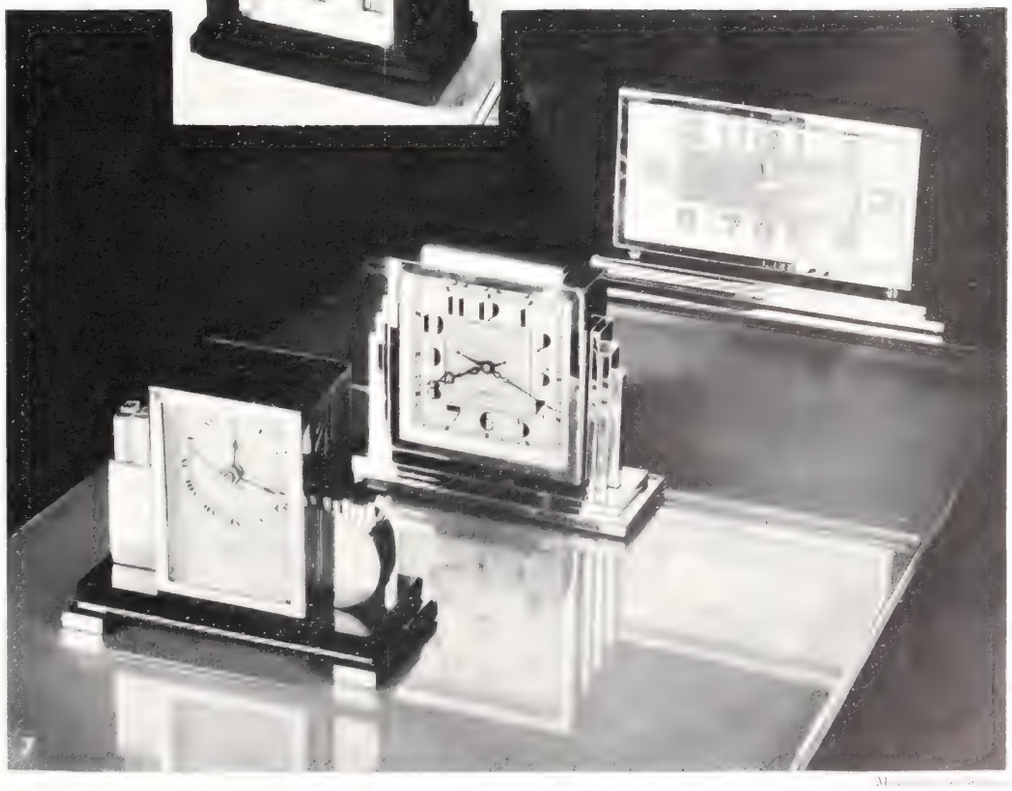




4. CHIPPENDALE influence shows in the dignified curves of the electric "Surrey" clock. Its case is mahogany. The more elaborate Nottingham model has an inlaid mahogany case. Both go well in English and American interiors. Warren Telechron



5. ANOTHER distinguished timepiece showing the Chinese Chippendale influence is the Nanking model at the extreme right. It is electrically run and has a walnut case. The Chinese symbol for good luck is on the finial. The Seth Thomas Clock Co.



6. BLACK bakelite in a setback skyscraper design frames an attractive electric clock that was designed by the Hammond Clock Company. The face is finished in silver and upon it appear the day of the week and the date, as well as the correct time

7. A CHROMIUM and onyx electric clock holds matches and cigarettes; Black, Starr & Frost-Gorham. Another desk piece—the Athena—has simple vertical lines in chromium. The Minerva model is gold-plated. Both from Chelsea Clock Co.

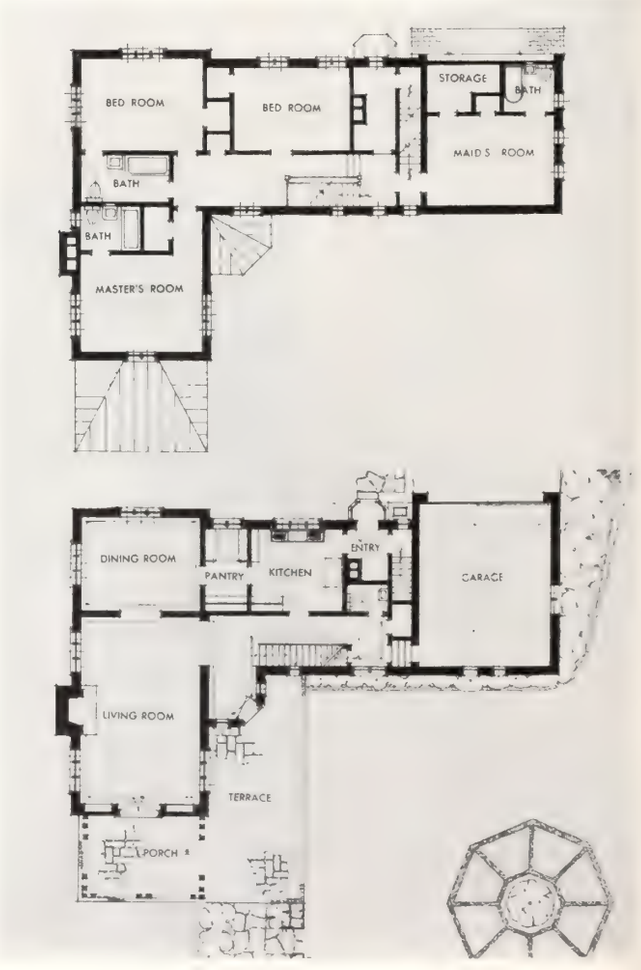




Tebbs & Knell

THE RESIDENCE that Lyle G. Stillwell, architect, built for himself at Hendersonville, N. C., is carried out in whitewashed brick. In design it shows features after both English and French precedents. The principal entrance is located at the junction where a right-angle wing meets the house

BECAUSE of its "L" formation, with practically all rooms house depth, excellent light and air circulation are at all times assured. Rooms are situated in logical position according to function, and segregation of service from living rooms is complete. C. D. Beadle, landscape architect



One house from two countries

Thus can you keep your evergreens spruced up

On wise selection, soil and site depends in large part their continued beauty · By Maurice Condon

WHEN the last shovelful of dirt has been tamped in around your evergreens, when the nurseryman has gathered up his tools and has driven off in his truck and you have surveyed the effect of his planting with satisfaction, do not think that your house has achieved a permanent setting. Don't dismiss your evergreen plantings from your mind when you send your check to the nurseryman. For trees and shrubs are growing things, and like all growing things can either increase in beauty or can retrogress into distressing sparseness and manginess. This is especially true in regard to evergreens.

Everyone has seen groups of evergreens, planted against the side of a house, which after they have weathered a few winters, are yellow, dusty, thin and unshapely, looking very much like the mongrel cur that has been out challenging all of the hounds in the neighborhood. Yet these same evergreens, when put into the ground by the nurseryman, seemed perfect. They were richly green, they were symmetrically trimmed, and they seemed to fit very aptly into the background for which they were designed.

THE first instinct of the householder is he surveys the havoc wrought by a few tough seasons is to blame the nurseryman, to consider that he has been "stuck" and that the evergreens were by no means the specimen trees that they were represented to be. Of course, poor trees do get sold, but ten chances out of eleven the retrogression is not the fault of the nursery. If those trees had received the proper care, they would still be glossy and alert instead of slinking against the side of the house, trying to hide the forlornness of their depleted branches.

There are two things which evergreen trees—conifers—must have. One is sunlight most of the day, and the other is a rich, well drained soil that is acid to neutral rather than sweet.

Think of the native homes of most of the evergreens. Think where you have seen the best looking wild Hemlocks. On the southern slope of a hill? There they receive sunlight, they are partially protected from the heaviest wind and they have a well drained soil for their roots.

The Red Cedars grow native in the open pastures and on hillsides. From Virginia south, where the climate is mild, they love the open sunny field, but as they come north—as they do even into Canada—one finds them showing in the more protected sunny spots.

And no matter how effective a planting of evergreens may look in the architect's drawing along the shady side of your house, remember that coniferous evergreen trees love sunlight. Therefore, decide instead to plant the broad-leaved types, Rhododendrons, Laurel, Azaleas, etc. Boxwood also enjoys some shade and acid soil. These broad-leaf evergreens will flourish in the shade, for they live deep in wooded glens, with rocky slopes towering above them, and with huge forest trees keeping the direct rays of the sun away from them and feeding them with their decayed leaves.

BUT if your mass planting of the small-leaf evergreens, the cone bearers, is away from extreme exposure, and is not overshadowed by shade trees, there is still much that you can do to keep it looking as fresh and chipper as when planted.

One thing you must remember: trees from a nursery have been receiving constant and expert care from their seedling days to the day when they are planted into your grounds. It is not logical to expect them to go right on flourishing for the rest of their lives without any more of the care to which they are accustomed. After having spent their childhood days in the hands of experts they are suddenly planked down in the midst of laymen and expected to work out their own salvation.

OF COURSE, if you have retained a landscape architect or if your own gardener is himself an expert, they will continue to flourish, provided that your enthusiasm for a particular shrub or tree in a particular place has not put your planting in the "paper" class rather than the Nature class.

It is the first winter which will leave its marks upon your evergreens. Summer, given sunlight, will come nearer to taking care of itself, but when the first frost comes, that is the time that you should be most careful of your trees—from then until the last frost is out of the ground. And this is the time that most of us forget that we have gardens and expect Nature to take care of Pines and Hemlocks reared under the watchful eye of an expert.

Preparations for the winter that is critical winter, must start early in the season. Evergreens respond gratefully to cultivation. Keep the ground under the tree well loosened and cover it with a mulch of well rotted stable manure during the first year. A mulch of straw or hay will do, but it is not so effective as the manure, as these materials have no fertilising value, although like all good mulches they help retain moisture in the ground. Never allow large weeds to get started under your evergreens, especially weeds large enough to come through the first branches. Not only do the weeds choke up the branches and cause them to die off but they also take moisture and nourishment away from the trees. Later, after the tree is established, a sod can be developed under the trees, but it is always necessary to keep away the weeds.

Avoid the use of fertilizers that contain any quantity of lime, for evergreens like their soil acid to neutral. Very few of them flourish in sweet alkaline soil.

SCARCELY any evergreen will do well in wet or even moist soil, which is another factor seldom realized by the new owner of a clump of evergreens. In their native habitat, Hemlocks and Arborvitae can stand moisture in the soil, but once they have been cultivated, they react to wet soil the same way that the other evergreens do. They grow yellow and straggly.

This does not mean, however, that they should never be watered, especially during the first year or two and until they become well established and after that in times of drought.

The tops should also be moistened. Once a day during the first few weeks, syringe off the branches of the young tree with clear water, for it is at the leaves that the evaporation takes place.

And just before the tree enters its winter fight with the elements, see that there is plenty of moisture in the ground under it. No evergreen should go into the winter without moisture in the ground. If the soil is dry, great damage can be done to it on those warm windy days which sometimes come in the middle of March. The sun shines warm, the top of the tree starts calling for sap, the roots cannot draw up any water from (Continued on page 84)



Black and white now replace color in the modern kitchen

THE LATEST phase of black and white in decoration is this new kitchen paint from Glidden. For the sophisticated kitchen scheme, and to get away from the pretty colored effects used so long, we advise these dishes with their interesting shapes, fluted surfaces and vivid markings. All necessary pieces available from Bloomingdale's

HOUSE & GARDEN'S ANNUAL GARDENING GUIDE

The species suggested on these pages do not include all the desirable plant material available, but constitute a tried and tested nucleus with which to begin. In the notes, "R" signifies suitable for rock gardens; "D" means ability to succeed in dry soil and hot sun, and "S" indicates shade or partial shade. These lists were compiled by [illegible]

NAME	HEIGHT	CHARACTER AND USE	NAME	HEIGHT	CHARACTER AND USE
DECIDUOUS TREES FOR THE NORTHEAST					
Oak (*Quercus*)	75'-100'	Very long lived, regal in appearance, mostly horizontal in general effect, vertical in some such as Pinoak, excellent for shade and permanence; numerous varieties.	Purple [illegible]	80'-100'	Rapid growing [illegible] under wide range of conditions; excellent street tree and also for specimens and for shade, bark decorative in winter.
Elm (*Ulmus*)	100'-125'	Most graceful of all large trees; roots deeply, withstands wind and dry weather, English Elm holds foliage longer, Chinese Elm (*Parvifolia*) most rapid growing.	Pagoda Tree (*Sophora japonica*)	100'-125'	Dignified pyramidal tree of good growth and great age, fine foliage and beautiful flowers in July, somewhat resembling Locust, excellent for specimen or shade or street planting or for park use.
Beech (*Fagus*)	80'-100'	Spreading, open growth, fairly rapid, bark decorative in winter, Purple Beech fast grower and ideal for dense shade, this and Weeping Beech especially good as decorative specimens.	Ginkgo [illegible]	50'-80'	Irregular, often erratic growth; usually horizontal lines; attractive, hardy, good for several positions, shade, specimen and street planting.
Maple (*Acer*)	75'-100'	Very fast growing but not very long lived; excellent for shade and for spring and autumn coloring; prefer moist soil; hard on neighboring plants; Norway M. one of best.	Birch (*Betula*)	40'-80'	Comparatively short lived but easily grown and always worth planting because of contrast with other deciduous trees and evergreens; [illegible] D.
Willow (*Salix*)	40'-80'	Most airily graceful of all large trees; extremely rapid grower, decorative even when small, can be kept cut back to desired size; excellent for shade; especially effective when near water; desirable in every way.	Dogwood [illegible]	15'-20'	Small tree; hardy and long-lived; excellent near residence to accentuate horizontal lines, beautiful white or pink flowers in spring, fine foliage in autumn; free from troubles; extremely satisfactory.
Poplar (*Populus*)	50'-100'	Most rapid growing family of large trees, both broad and spreading and upright forms, as in the Lombardy, comparatively short lived, excellent for temporary use. D.	Crab [illegible]	15'-25'	Flowering small trees; excellent for spring decorative effects within the garden, or showing over the garden wall [illegible]
EVERGREENS (Northeast)					
Pine (*Pinus*)	40'-100'	Mostly [illegible] in habit, especially with age; easily grown, long lived, stand exposed positions; many varieties thrive in light, sandy soil where most other evergreens would not do. D.	Red Cedar [illegible]	[illegible]	Moderate sized evergreen, mostly of pyramidal form and fairly rapid growth; extremely hardy; the one indispensable evergreen for moderate sized places and adverse conditions; thrives even in sandy soils; may be clipped or pruned to bear it, but for specific hedges specimens, Silver Redcedar (*Virginiana glauca*) for variety. D.
Hemlock (*Tsuga*)	40'-75'	Most graceful of the very hardy large evergreens, except for [illegible] for hedges, thrive in shade, prefer moist acid soil. S.	[illegible]	[illegible]	Great variety in form and size; *Chinensis* varieties hardy to New York, or southern New England or sheltered localities; *C. columnaris*, narrow upright evergreen for Northern limits, rapid grower.
Spruce (*Picea*)	40'-75'	Graceful, pyramidal form, usually horizontal effect in branches, rough bark, perfect specimen evergreens, groups and windbreaks, also sheared for hedges, generally more satisfactory than Firs, except under ideal conditions.	Yew [illegible]	[illegible]	Darkest foliage and most beautiful in winter; upright and spreading forms; for foundation planting, groups, borders and hedges; Dwarf Japanese Yew especially good for latter, Hicks Yew a new hardy upright.
Fir (*Abies*)	40'-75'	Similar to Spruce, less graceful; smooth bark, upright cones; likely to become ragged with age, especially if planted singly.	[illegible]	[illegible]	Deep green foliage, bronzing in winter, irregular in habit; [illegible] York; thrives near shore.
Douglas Fir (*Pseudotsuga douglasii*)	50'-100'	Vigorous, healthy, rapid grower; young growth especially beautiful in spring; more satisfactory than either Firs or Spruces under average conditions outside of the natural evergreen belt, remaining handsome to old age; specimens, windbreaks and hedges.	Cypress [illegible]	[illegible]	A large group including many dwarf and decorative foliage varieties of high coloring, for foundation plantings [illegible]
Arborvitæ (*Thuja*)	3'-80'	Numerous dwarf forms of various shapes; American (*Occidentalis*) varieties hardiest; Oriental hardy to New York; good for foundation planting, evergreen groups, for color foliage effect, with taller varieties for screens and hedges.	[illegible]	[illegible]	Deciduous evergreen of upright, hardy, rapid growth, European and Japanese species, especially beautiful in spring when new foliage growth appears; cones decorative [illegible]
EVERGREEN SHRUBS (Northeast)					
Rhododendron	6'-15'	Largest and most impressive of all extremely hardy evergreen shrubs; covered with masses of gorgeous flowers in May and June; native species are the hardiest and most satisfactory for naturalistic planting.	[illegible]	[illegible]	Long drooping sprays of creamy white blossoms; thick [illegible] mixed border and for edging Rhododendrons or other evergreens; native, hardy; extremely satisfactory. S.
Laurel (*Kalmia latifolia*)	4'-10'	Native Mountain Laurel; picturesque growth; evergreen foliage beautiful the year round; excellent in shrubbery border, foundation plantings, naturalizing [illegible] like Rhododendrons, requires acid, peaty soil. D. S.	[illegible]	[illegible]	Dense bushy growth mostly irregular, but can be kept pruned to desired size or form; upright growing and trailing species; trailing sort especially good for rock gardening; [illegible]
Azalea	1'-15'	Most ornamental of evergreen flowering shrubs, also deciduous kinds; several good hardy species; selection of varieties will give bloom from April to July.	Oregon Holly [illegible]	[illegible]	Very heavy Holly like foliage, shiny with sharp spines; ornamental fruit in fall and winter; excellent as a self shrub or in a foundation planting or evergreen group; protect from driving, drying winds. S.
Daphne (*Daphnanthus*)	1'-1[illegible]	Low spreading bush; fragrant pink flowers in spring and intermittently through [illegible] foundation planting and rock garden. R.	Euonymus [illegible]	1'-6'	Charming [illegible] in spring followed by [illegible] native shrub.
Andromeda (*Pieris floribunda*)	5'-6'	Handsome foliage, dark green, pointed, year round; white bell like flowers in early spring; with other evergreens in border or foundation planting; good shrub under larger evergreens. S.	Box (*Buxus*)	1'-10'	Dense, thick growth, dwarf and tall growing types for [illegible] hedges, [illegible]
DECIDUOUS SHRUBS (Northeast)					
Spirea	4'-8'	May-Sept. [illegible] like Van Houtte, Bridal-wreath, Prunifolia, and the hardy native Hardhack (*Tomentosa*) latest.	[illegible]	[illegible]	Japanese Barberry; bushy, spreading, most satisfactory plant for moderate sized properties; [illegible] type; dwarf and creeping sorts for rock garden.
Forsythia	5'-10'	April-May. Vigorous growing, extremely hardy, arching sprays, both upright and drooping, [illegible] makes finest display; shrubbery border, foundation planting, drooping forms like [illegible] banks.	Privet [illegible]	[illegible]	May-June, several types, all excellent for hedges, also beautiful all flowering [illegible] allowed to develop; good for back of [illegible] border, berried, may be trained. S.
Lonicera	3'-8'	May-July. Shrubby, rather gray foliage, [illegible] tion planting, borders and individual specimens; Pride of Rockford tall and one of best.	Honeysuckle [illegible]	[illegible]	Continuous bloom. The bush Honeysuckles are among [illegible] bloom intermittently under all conditions, even in poor soil; hedge and shrubbery border. S.
Weigela	6'-8'	July-Sept. [illegible] Desboisi, Eva Rathke, and Abel Carriere, newest, white, Vanicek, Lucifer, Rosea, and Rosea variegata.	Spirea [illegible]	[illegible]	Van Houtte, Prunifolia, Bridal-wreath, Thunbergi, and Reevesi, [illegible]
Beautybush (*Kolkwitzia amabilis*)	6'-8'	May-June. Needs protection in winter, [illegible] to Weigela, but [illegible] and D. [illegible] recently becoming popular.	[illegible]	6'-8'	May-June. The old shrub [illegible] hybrids show great range of colors; not so hardy but satisfactory garden plant.
Viburnum	2'-10'	May-July. A large group of [illegible] satisfactory; the best of large shrubs for individual specimen also for the [illegible] *lantanoides* especially good.	Viburnum, Weigela [illegible]	[illegible]	April-May. Extremely beautiful spring flowering shrub, wild variety, easily grown, effective in closed garden.
Hydrangea	4'-10'	July-Sept. Several types, all good; smaller sorts for foundation and border planting; larger for border or individual specimens like small trees; Otaska for seashore.	[illegible]	10'-15'	May [illegible] hardy to New York; tropical fern like foliage, excellent background for rock garden. D.
Butterflybush, Buddleia	5'-8'	[illegible] season, rapid grower, lilac like fragrant flowers; herbaceous in North.	Deutzia [illegible]	1'-9'	March-April. [illegible]

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PERENNIALS (Northeast)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Alyssum	12"-15"	Apr.-June	Yellow	Solid masses of color; front of border or rock garden; remove old blooms. D. R.
Anemone, Jap.	24"-30"	Sept.-Nov.	Rose, pink, white	Most graceful late autumn flower; garden display; cutting; winter protection North.
Aquilegia (Columbine)	18"-36"	May-June	Various	Wonderful range of colors in new varieties; display; cutting; full sun. D.
Aster, Hardy	30"-48"	Sept.-Nov.	Blue, lavender	Thrives anywhere; many types; new varieties including pink and mauve; naturalizing; display; cutting. D.
Balloonflower (Platycodon)	12"-24"	July-Nov.	Blue, white	Border perennial; rock garden; sandy well-drained soil; sun or shade.
Campanula (Bellflower)	12"-36"	June-Oct.	Blue, white	Several types. Includes some of the best blue flowers. R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Cutting and late display; rich soil and frequent transplanting.
Delphinium (Larkspur)	30"-60"	June-Sept.	Blue, various	Queen of early summer flowers; easy from seed; newer types for display.
Dianthus (Hardy Pink)	10"-18"	May-July	Pink, rose, white	Fragrant; free blooming; cutting; superior new types Alwoodi and Sweet Wivelsfield.
Digitalis (Foxglove)	36"-60"	July-Sept.	Pink, white	Unsurpassed for back of border or against walls or shrubbery; Giant Shirley strain best.
Gaillardia (Blanketflower)	18"-24"	June-Nov.	Yellow, bronze	Continuous flowering; resists drought; easy from seed; display and cutting; Portola Hybrids and other new varieties. D.
Geum	15"-18"	May-Sept.	Yellow, orange-red	Neat habit; suitable for large rock garden, border and cutting; easily grown; new sorts, Lady Stratheden and Opal.
Gypsophila (Babysbreath)	24"-30"	June-Sept.	White, rose	Feathery sprays; border and cutting; Bristol Fairy excellent new variety.
Heuchera	12"-18"	May-Sept.	Red, coral	Sun or shade; flowers on tall stems; plant compact and low; rock garden, border and cutting. R.
Hollyhock	48"-72"	July-Sept.	Various	Unsurpassed for display against wall or other background; single varieties most effective; full sun; self-sows; double named varieties such as Newport Pink; Imperator, new frilled type. D.
Iris	6"-36"	Apr.-July	Various	Select varieties for long season; dwarf species excellent for rock garden; Jap. and Siberian types prefer moist soil; most others dry. D. R.
Lupine	24"-40"	May-Sept.	Blue, pink, white	Greatly improved new hybrids, wide range of color; easy from seed; any soil; full sun; border and cutting. D.
Peony	24"-36"	May-June	Rose, pink, white	Immense blooms; many types, many fragrant; single and Japanese; graceful; deep rich soil; sun or slight shade.
Phlox	4"-36"	Apr.-Oct.	Various	Early dwarf and creeping types for front of border and rock garden; summer flowering, fine mass color displays, June to Sept.; rich soil. R.
Poppy	12"-30"	May-Oct.	Various	Brilliant colors; long season; flowers first season from early sown seed; Coonara strain in Iceland Poppies; new colors in Oriental type, such as Olympia. D.

ANNUALS (Northeast)

Ageratum	6"-18"	May-Oct.	Blue, white, rose	Front of border; compact, continuous blooming if old flowers are kept removed; potted plants for immediate show; Blue Ball new compact variety.
Alyssum	4"-10"	May-Oct.	White, lilac	Dainty, graceful for informal edging, interplanting Roses or other tall growing flowers; succession plantings; continuous bloom; self-sows. D. R.
Antirrhinum	8"-30"	May-Oct.	Various	Especially fine for cutting and display; tall and dwarf varieties; new colors; pinch back for stocky plants.
Begonia	6"-12"	June-Sept.	Various	Unsurpassed for continuous color display in hot, dry locations; start seed under glass, or buy plants. D.
Calendula	12"-15"	June-Nov.	Orange, yellow	Long continuous bloom; fairly moist rich soil; new varieties, Radio and Campfire.
Clarkia	24"-30"	June-Oct.	Rose, various	Low bushy shrubs somewhat similar to Flowering Almond; blooms in few weeks from seed; cutting.
Cosmos	48"-72"	July-Oct.	Pink, white	New early flowering types provide bloom in late July or August from April sown seed; start late tall sorts in heat.
Gaillardia (Blanketflower)	24"-30"	June-Oct.	Maroon, bronze	Brilliant flowers produced continuously; sow where to bloom; cutting and display; variety Indian Chief especially fine. D.
Gypsophila	12"-15"	June-Oct.	White, rose	Light, airy sprays of tiny flowers; indispensable for mixed bouquets; succession sowings.
Larkspur	24"-36"	June-Oct.	Blue, various	Back of annual border; indispensable for cutting; splendid new named varieties; Giant Imperial.
Lobelia	4"-10"	June-Nov.	Blue, white	Dainty edging plant; effective at water's edge; plants or sow where to bloom.
Marigold	12"-24"	July-Oct.	Yellow, various	Easily grown; thrives anywhere; display and cutting; dwarf and tall sorts. D.
Nasturtium	15"-72"	June-Oct.	Various	Dwarf types for borders and bedding, tall for fences, walls, banks; sow in rather poor soil.
Petunia	15"-24"	June-Oct.	Various	Dwarf types for bedding; "Balcony" and other sorts for window boxes, banks, trailing; new variety Burpee's Blue, rich, velvety, pure.
Phlox	6"-15"	June-Oct.	Various	Solid sheets of coloring or narrow edging; sow early where to bloom; succession sowing. D.
Poppy	8"-24"	May-Oct.	Various	Easy and quick from seed; sow where to bloom for masses of brilliant color; thin out for best results. D.
Portulaca	6"-10"	June-Sept.	Various	Unequalled for low mass of brilliant solid or mixed colors in extremely hot, dry sun. Sow thinly late May or June; thin out. D. R.
Scabiosa	24"-30"	June-Oct.	Various	Delicately colored graceful flowers continuous over long season; unexcelled for cutting; fragrant.
Verbena	8"-10"	July-Nov.	Various	Solid carpet of attractive foliage and continuous bloom; best ground cover for late fall garden; succession planting June or July. "Fireball," new dwarf compact type. R.
Zinnia	15"-30"	July-Oct.	Various	Wonderful new pastel shades and types; cutting and color display; second sowing for late fall garden. D.

VINES (Northeast)

NAME	HEIGHT	COLOR, CHARACTER AND USES
Ivy (*Hedera*)	30'	The ideal clinging evergreen vine but not hardy much north of New York, dwarf forms for rock garden. S.
Ampelopsis	70	Clinging and twining. Hardy to extreme North; a good substitute for Ivy, not evergreen.
Wintercreeper (*Euonoma radicans*)	15'	Clinging. Substitute for English Ivy in the North, extremely hardy, ornamental berries in fall.
Honeysuckle (*Lonicera*)	30	Twining. Fragrant blossoms summer to frost, fragrant; hall's japonica vine, good ground cover, evergreen, tendency towards South. D. S.
Clematis	15'-20'	Twining. Delicate graceful climber. Large flowered sorts not hardy in Upper North, trellis and summer houses, screens. *Montana rubella* hardy, large pink flowers.
Wisteria	50	Twining. Extremely vigorous; most picturesque and Japanesque of hardy vines, fragrant; verandas, gates, pergolas, house side.
Bittersweet (*Celastrus scandens*)	40'	Twining. Splendid native vine, easily grown, especially fine for winter decorations; good foliage; naturalistic effect. S.
Hop Vine (*Humulus*)	25'-30'	Twining. Extremely rapid grower; excellent for shade.
Kudzu-vine (*Pueraria*)	50'	Twining. Fastest growing of all, large leaves, dense habit.
Dutchman's Pipe Vine (*Aristolochia*)	30	Twining. Very broad heart shaped leaves of light green; peculiar pipe shaped flowers, dense shade or close screen for summer house, pergola or porch.
Trumpet-creeper (*Bignonia*)	40'	Clinging and twining. Rampant grower; conspicuous orange-red flowers in late summer. *Grandiflora* best.

DECIDUOUS TREES FOR THE MIDDLE WEST

Oak (*Quercus*)	75-100'	Hardy, long lived, Scarlet, Red and Mossy Cup varieties especially good for North.	Linden (*Tilia*)	60-80	Fragrant flowers attractive to bees in midsummer; rapid growers, dense tent-like shade; very satisfactory; American species hardiest.
Elm (*Ulmus*)	100'-125'	Hardy, erect and large form; native *U. Americana* and the Chinese (*pumila*) fastest growing.	Locust (*Robinia*)	40'-60	Rapid grower, moderately long lived; resists heat and drought, stands pruning; fragrant flowers. D.
Maple (*Acer*)	75'-100'	Shade and street; moderately long lived; Norway, Red, Sugar and Tartarian best for very cold sections.	American Hornbeam (*Ostyra virginiana*)	30'-50	Extremely hardy native tree; slow growing, small tree; foliage persists into winter; good tall hedge; stands pruning. D.
Poplar (*Populus*)	50'-100'	Rapid growing, moderately long lived. Balm of Gilead extremely fast growing, hardy, sturdy, broad, pyramidal; Bolleana and Lombardy upright, columnar. D.	Wild Crab (*Malus*)	20'-25'	Extremely hardy; native of the western plains; splendid hardy ornamental fruit tree.
Willow (*Salix*)	40'-50'	Many varieties, very hardy, extremely satisfactory. Wisconsin Weeping hardiest of this type.	Hawthorn (*Crataegus*)	10'-30'	Several varieties; extremely hardy; heavy soil and moderate lime; summer mulching beneficial in light soils.
Horse-Chestnut (*Aesculus*)	50'-80	The Buckeye of the Midwest; especially good for suburb; fast growing, dense shade.			

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EVERGREENS (Middle West)

NAME	HEIGHT	CHARACTER AND USES
Douglas Fir	50'-100'	Quick growing, broad, pyramidal, blue-green foliage.
Pine (*Pinus*)	40'-100'	Native White Pine (*P. strobus*) especially fine. Scotch more resistant to winds and exposure. Dwarf Mugho for foundation planting. D
Spruce (*Picea*)	40'-75'	Most varieties do well. Black Hills is hardiest and best for dry soils close, dense growth.
Fir (*Abies*)	40'-75'	Native Balsam, symmetrical and graceful, likes moist soil and cool summers.
Hemlock (*Tsuga*)	40'-75'	Graceful evergreen for specimen and shady location
Redcedar (*Juniperus virginiana*)	25'-50'	Most useful evergreen for moderate size place. Use *Glauca* for color variation, low forms for foundation planting. D.
Colorado Juniper (*Juniperus scopulorum*)	30'-40'	Native western species, very hardy, fine for variety, distinct coloring. D

NAME	HEIGHT	CHARACTER AND USES
Juniper (other forms)	[illegible]	Chinese and other types not [illegible] the preceding, protected locations generally, excepting in northern [illegible]
Arborvitae (*Thuja*)	3'-30'	Native American species and Siberian are hardiest; [illegible]
Cypress (*Retinospora obtusa-spira*)	3'-25'	Dwarf, highly colored; not reliably hardy in northern [illegible] satisfactory elsewhere if protected from winter winds. S.
Yew (*Taxus*)	3'-30'	Canadian or native Yew perfectly hardy; spreading evergreen, fine dark foliage. Japanese Yew excellent for hedges and foundation planting.
Cryptomeria	15'-30'	Distinct evergreen of unusual appearance; protected [illegible] of the north

EVERGREEN SHRUBS (Middle West)

Cotoneaster horizontalis (Rock Cotoneaster)	2'-3'	Several varieties including *Hupehensis*, the evergreen in mild sections, deciduous farther North. D.
Berberis buxifolia	1'-3'	Very hardy evergreen; good small hedge; give protection in North. S.
Oregon Hollygrape (*Mahonia aquifolia*)	3'-6'	Stands considerable cold but must be protected from dry winds; good undershrub, and for foundation. S.
Azalea amoena		Japanese Evergreen Azalea; hardy fairly far North; thrives in shade. S
Mountain Laurel (*Kalmia latifolia*)	4'-10'	Very hardy native shrub; acid soil; with evergreens or mixed foundation planting. S.

Daphne mezereum (Rose Daphne)	1'-1	Fragrant flower [illegible] intermittently throughout season [illegible] extremes both dry and wet, winter protection in severe climates. R.
Leucothoe catesbaei (Drooping Leucothoe)	5'-6'	Beautiful, graceful, white flowered native shrub, excellent with preceding. S
Andromeda Pieris floribunda	5'-6'	Good under evergreens or in mixed border; hardy to cold where other conditions are suitable. S.
Rhododendron	5'-15'	Native species hardiest; protect from winds. S
Dwarf Box (*Buxus sempervirens suffruticosa*)	3'-5'	Edge or low [illegible] attractive [illegible] for old gardens; obtain true *edging* [illegible] northern nursery. S

DECIDUOUS SHRUBS (Middle West)

Common Lilac	12'-15'	MAY-JUNE. Long lived; tall hedges or screens and individual clumps.
Sweet Mockorange (*Philadelphus*)	8'-12'	JUNE-JULY. Many splendid new varieties such as Virginal; shrubbery border; individual specimens.
Forsythia	5'-10'	APRIL MAY. Unexcelled for early spring effects; various types for differing conditions.
Hardhack (*Spirea tomentosa*)	3'-4'	JULY-SEPT. Beautiful native shrub, hardy even to northern Canada; naturalizing; front of mixed border; near water.
Hydrangea	6'-15'	Several types, valuable for their large-panicled flowers in summer.
Weigela (*Diervilla*)	6'-8'	MAY-JULY. Strong growing; vigorous; back of lower shrubs, or against walls or buildings with flowers in front.
Siberian Pea-tree (*Caragana arborescens*)	15'-20'	MAY-JUNE. Extremely hardy; excellent for hedge, or as specimen.
Golden-Currant (*Ribes aureum*)	4'-6'	MAY. Large, yellow, fragrant flowers in spring; edible black berries; Dwarf Mountain Currant (*R. alpinum*) excellent low hedge. S.
Rose-acacia (*Robinia hispida*)	1'-3'	JUNE JULY. Racemes of beautiful [illegible] flowers in early summer, extremely vigorous, [illegible] naturalizing.

Snowberry (*Symphoricarpos*)	2'-5'	JUNE JULY. Bushy shrub, rose pink flowers in midsummer followed, white waxlike berries. Coral Berry (*S. vulgaris*) more compact; thrives anywhere, naturalizing, banks and mixed border.
Indigobush (*Amorpha fruticosa*)	6'-10'	JUNE. Spreading habit; feathery foliage; violet purple flowers; massing or mixed border.
Viburnum	[illegible]	MAY [illegible] coral type [illegible] all good [illegible] easily grown
Prunus (Flowering Cherry and Plum	[illegible]	Some MAY. Many of the flowering [illegible] extremely hardy; effective in garden [illegible]
Privet	4'-15'	MAY JUNE. In northern sections [illegible] only hardiest varieties [illegible] Amoor and Regel the [illegible] upright and dense growing. D. S.
Cotoneaster acutifolia	4'-6'	MAY JUNE. The Pekin Cotoneaster [illegible] somewhat resembles [illegible] Privet [illegible] specimens for hedges, hardier than Privet, upright shrubby; stands shade.
Rose species	3'-6'	MAY JUNE. Hardy species especially satisfactory for the [illegible] Northwest, a boon [illegible] the Prairie Rose (*Setigera*) [illegible] Rugosa, Rugosa Hybrids and *multiflora*.
		[illegible] shrubs recommended [illegible]

PERENNIALS (Middle West)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Aconite (Monkshood)	36"-72"	July-Sept.	Blue, white	Upright grower for middle or back of border; blue flowers until frost.
Artemisia	36"-48"	[illegible]	Cream, white	New variety Silver King especially valuable for silvery foliage effect in combination [illegible] other flowers.
Astilbe (Spirea)	24"-48"	[illegible]	Pink, white	Feathery plumes during midsummer; back of border or for landscape effects.
Bocconia cordata (Plume Poppy)	6'-8'	July-Aug.	Cream, white	Vigorous, tall, imposing; excellent for screen or naturalizing; spreads underground. S.
Campanula	24"-60"	June-Sept.	Blue, purple	Both dwarf and tall forms, always dependable. R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Glory of the late garden for display and cutting; use early varieties in northern sections.
Delphinium	30"-72"	[illegible]	Blue, pink	Back of border and for cutting; winter covering of cinders over crown.
Dianthus	10"-18"	[illegible]	Pink, red, white	Fragrant, neat, free-blooming; fine for cutting; Alwoodi and Sweet Wivelsfield superior types.
Digitalis (Foxglove)	36"-60"	June-Aug.	Pink, white	Unsurpassed for back of border or grouped against walls or shrubbery [illegible] Giant Shirley strain especially good.
Gaillardia (Blanketflower)	18"-24"	[illegible]	Yellow, bronze	Indispensable for display and cutting; try named varieties. D
Gypsophila (Babysbreath)	24"-30"	June-Sept.	White, rose	Feathery sprays of tiny flowers for border and cutting; Bristol Fairy excellent new variety.
Heuchera	12"-18"	June-Aug.	Pink, red	[illegible]
Hollyhock	48"-72"	July-Sept.	Various	Against wall or other wind protected location; easy from seed.
Iris	6"-36"	April-July	Various	[illegible] D. R.
Peony	24"-36"	May-June	Rose, red, white	Unsurpassed for the North Central West; most modern varieties fragrant; try [illegible] and Japanese.
Phlox	4"-36"	April-Sept.	Various	Early creeping and low varieties for front of mixed border and rock garden; summer flowering for mass [illegible] color.
Rudbeckia	3'-8'	July-Sept.	Yellow, orange	Golden Glow (*R. lacinata*) thrives anywhere in any soil; naturalizing; against outbuildings. S.
Veronica	12"-60"	May-Sept.	Blue, violet	Dependable and satisfactory blueflowers; groups in mixed border.
Sedum (Stonecrop)	6"-18"	July-Sept.	Yellow, [illegible]	Stonecrops in variety for front of mixed border and rock gardening; successful where many Alpines will not [illegible] D. R
				[illegible] rock [illegible]

ANNUALS (Middle West)

Ageratum	6"-18"	May-Oct.	Blue, white	Low, spreading border; Blue ball compact dwarf [illegible]
Alyssum	4"-10"	May-Oct.	White, lilac	Splendid for interplanting among other flowers; to follow bulbs; late sowing for autumn garden. D. R.
Antirrhinum (Snapdragon)	8"-30"	May-Oct.	Various	Back of mixed border; bloom long after frost in protected spot; cutting.
Calendula	12"-18"	[illegible]	Orange, yellow	Good for cutting throughout season; mixed border.
Coreopsis	12"-36"	June-Sept.	Yellow, garnet	Bright colored flowers on long stems; cutting; sow where to bloom; thin out; full sun. D.

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ANNUALS (Middle West)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Candytuft (Iberis)	12"-18"	June-Sept.	Various	Greatly improved new Giant Hyacinth flowered strain; pleasing colors; fragrant; cutting; Tom Thumb makes good low edging.
Cosmos	48"-72"	July-Oct.	Pink, white	New early flowering type makes it possible to grow this much farther north; wind protected spot; cutting; garden display. Cut in soft in bud.
Datura (Angels Trumpet)	24"-36"	July-Sept.	Creamy white	Vigorous growing bushy annual; creamy white trumpet-like flowers; grows anywhere.
Gypsophila Elegans (Babysbreath)	12"-15"	June-Sept.	White, rose	Graceful, delicate sprays of tiny flowers; several sowings for continuous supply.
Larkspur (Delphinium)	12"-36"	June-Oct.	Blue, various	Unsurpassed for display in the border and cutting; new named varieties.
Lupine	20"-28"	May-June	Blue, rose, white	Sprays of Pea-like flowers on vigorous plants with handsome foliage; plant individually in small pots or where to grow; bloom in eight weeks. Stand partial shade. Cool. D.
Marigold (*Tagetes*)	12"-30"	July-Oct.	Yellow, orange	Always satisfactory; dwarf for edging and taller for mixed border and cutting; second sowing for late fall.
Nasturtium	15"-72"	June-Oct.	Various	Dwarf and vine-like types; full sun and rather poor soil.
Petunia	15"-24"	June-Oct.	Various	Continuous flowering until hard freezing; Balcony type for porch boxes and baskets; Bedding for masses of color.
Phlox	6"-15"	June-Oct.	Various	Good everywhere for low masses of brilliant color; sow as soon as frost is well out and again in May; flowers within a few weeks from seed. D.
Portulaca	6"-10"	June-Sept.	Various	Tender but quick growing in hot weather; blooms continuously in hot, dry locations. D. R.
Poppy	8"-24"	May-Oct.	Various	Cutting and garden display of brilliant colors; sow where to bloom; thin out. D.
Ricinus	36"-72"	Foliage	Green, bronze red	Tender but rapid growing, giving tropical effect; start in pots for early use, or outdoors at Bean planting time.
Verbena	8"-10"	July-Nov.	Various	Low, spreading; good ground cover; often blooms until snow. R.
Zinnia	12"-36"	July-Oct.	Yellow, various	New types and colors; thrives anywhere; avoid too much nitrogenous fertilizer; full sun.

VINES (Middle West)

NAME	HEIGHT	COLOR, CHARACTER AND USES
Boston Ivy (*Ampelopsis veitchi*)	40'	Clings to brick surfaces by tendrils. Less vigorous *lowii* is hardiest, withstanding Minnesota winters.
Euonymus radicans (Winter-creeper)	15'	Clinging. Hardest evergreen vine, best substitute for English Ivy for winter effect. S.
Honeysuckle (*Lonicera*)	30'	Twining. Not evergreen but leaves persist until late autumn; excellent ground cover also. S.
Clematis	20'	Twining. Native species, *virginiana* and *montana*, also the Chinese *Paniculata*, much hardier than large-flowered types.
Wisteria	50'	Twining. *Chinensis* hardiest; spring display over pergolas, dead trees or other substantial supports.
Trumpet-creeper (*Tecoma*)	40'	Clinging and twining. Will cling to wood or other fairly rough surfaces; if killed back in severe winters quickly grows again; conspicuous orange flowers in late summer. D.
[illegible]	30'	Twining. Fast growing; splendid foliage; free from insects and disease; fragrant flowers.
Silver Lace Vine [illegible]	25'	Twining. Shiny foliage; free from insects or disease; foamy sprays of silver-white flowers, for long season in late summer.
Chinese Matrimony Vine (*Lycium chinense*)	30'	Twining and trailing. Any soil; grows vigorously; purple flowers, scarlet berries; good ground and bank cover.
Bittersweet (*Celastrus scandens*)	40'	Twining. Small sprays of cream-white flowers in July; orange and crimson berries, for winter house decoration; easily grown, good for naturalizing.
		Hyacinthus are recommended for Northwest.

DECIDUOUS TREES FOR THE NORTHWEST

Oak (*Quercus*)	80'-100'	Red, Scarlet and Mossycup for general use; Pin Oak for vertical effect.
Oregon Maple (*Acer macrophyllum*)	50'-60'	Broad headed, broad leaves; street or shade; other varieties.
California Black Walnut (*Juglans californica*)	50'-60'	Not recommended for North shade and location, [illegible].
Sweet Gum (*Liquidambar*)	75'-100'	Splendid lawn or ornamental, fine autumn coloring, [illegible].
Birch (*Betula*)	60'-100'	Rapid growing, great size, not long-lived; plant Yellow B. (*lutea*) for permanence.
Pacific Dogwood (*Cornus nuttalli*)	40'-50'	Native; grows to full tree size.
Ginkgo (*Maidenhair*)	50'-75'	Irregular spreading habit; Maidenhairfern-like foliage held late in season.
Black Locust (*Robinia pseudoacacia*)	60'-80'	Fragrant flowers in May or June. Heat and drought resisting; stands exposure; poor soil; rather short-lived. D.
Mountain Ash (European) (*Sorbus aucuparia*)	30'-40'	Symmetrical, upright growing; graceful, Fern like foliage, scarlet berries.
Hawthorne (*Crataegus*)	20'-30'	Thrives particularly well here; specimen, hedges, or street parking.
Silk Tree (*Albizzia julibrissin*)	30'-40'	Good substitute for Acacia or Mimosa; extra fine garden tree; moderate shade.
Flowering Cherry, Plum and Crab *Prunus* and *Malus* in variety)	20'-30'	Splendid garden subject in this region.
		Also all trees from preceding sections.

EVERGREENS (Northwest)

Douglas Fir (*Pseudotsuga douglasi*)	75'-150'	Rapid growing, beautiful, symmetrical but graceful.
Fir (*Abies*)	75'-100'	Rapid growing, more beautiful than in East, groups, particularly in exposed position.
Redwood (*Sequoia*)	100'-300'	Big and California Big Tree (*Sequoia gigantea*) good for large grounds even where conditions are not ideal, north of Northern Cal.
Deodar Cedar (*Cedrus deodara*)	60'-100'	Decorative and [illegible] for all Pacific coast, well drained location; Atlas Cedar somewhat hardier.
Cypress (*Cupressus*)	50'-75'	The true Cypresses, including the columnar Italian Cypress, hardy near coast, good hedges, [illegible] section.
Cryptomeria (in variety)	30'-50'	Hardier than preceding, better winter color than in East; fine for garden use.
Japanese Umbrella Pine (*Sciadopitys verticillata*)	80'-[illegible]	Remarkable [illegible] tree, slow growing, background [illegible].
Yew (*Taxus*)	3'-40'	Wide variety; English and Irish especially good; latter of slow growth and extra fine for garden use. S.
Juniper, Chinese (*Juniperus chinensis*)	3'-40'	Great range of form, creeping to columnar.
Arborvitæ, Oriental (*Thuya orientalis*)	3'-40'	Thrives well; wide variety; foundation and garden planting; retains color better than in East.
English Holly (*Ilex aquifolium*)	30'-40'	Succeeds throughout section, especially near coast; distinct type; garden tree; protective hedge. S.
Madrone (*Arbutus menziesi*)	20'-25'	Native small tree; waxy white flowers, bell shaped, in drooping clusters, orange red berries; conspicuous smooth [illegible], good [illegible].
		[illegible] recommended for preceding sections.

EVERGREEN SHRUBS (Northwest)

Abelia grandiflora (Glossy Abelia)	5'-6'	Low, spreading, graceful, flowering early summer to frost; small, Arbutus-like blossoms; evergreen tendency. S.
Aucuba japonica (Gold-dust Plant)	5'-8'	Thick, spreading, large decorative leaves; foundation planting, evergreen groups, specimens; wind protected [illegible].
Camellia japonica	10'-20'	Hardy to Tacoma if protected from driving winds; beautiful evergreen foliage, abundant rose pink or white [illegible].
Mexican Orange (*Choisya ternata dryas*)	4'-7'	Orange like [illegible] spicy and [illegible] shiny evergreen foliage; good for hedge or against wall.
Evergreen Barberry (*Berberis*, in variety)	1'-8'	All but the tenderest do in moderately protected locations; rival the Cotoneasters for rock garden, foundation planting, [illegible]. R.
Oregon Hollygrape (*Mahonia aquifolium*)	3'-6'	Vigorous growing, Holly like foliage, yellow flowers, bluish-black berries; protect from driving winds. S.
Cotoneaster	2'-6'	Dense, spreading or trailing; beautiful all year; wide variety, foundation planting and rock gardening. R.
Erica (Heather)	1'-4'	Neat, dense mat, small leaved or hairy foliage and pink, red or white flowers; different varieties bloom Feb. to late summer; rock gardens or bordering shrubs or drive; sandy soil; full sun. D. R.
Laurel (*Laurus*, in variety)	6'-15'	Several species, including English and Portuguese Laurel, and *L. tinus* (flowers January or February); hedges, backgrounds, groups; protection from winds; semi-shade. [illegible] the Northeast and most of Northwest.

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DECIDUOUS SHRUBS (Northwest)

NAME	HEIGHT	CHARACTER AND USE
Azalea mollis (Chinese Azalea & others)	3'-10'	APRIL JUNE. Gorgeous in spring, several hall hardy sorts also do well, peaty, sandy soil, will stand some shade
Broom (*Genista, Cytisus*)	3'-10'	APRIL MAY. Including native *occidentalis*. Scotch Broom (*C. scoparius*) widely naturalized. *C. praecox* is the best flowering hedges and shrub borders, dwarf for rock gardens. D.
Mountain Lilac (*Ceanothus*)	6'-10'	APRIL MAY. Native of Northern Cal., many hybrids, blue or Lavender Lilac-like flowers, highly prized, moderate growth, beautiful, easily grown. D.
Daphne mezereum (February Daphne	3'-4'	MARCH APRIL. Charming, fragrant little shrub, rock garden.
Rose Acacia (*Robinia hispida*)	2'-3'	MAY JUNE. Attractive foliage, abundant Pea-like blossoms May or June, hedges or shrubbery border
Flowering Currant (*Ribes*)	3'-6'	APRIL-MAY. Hardy, easily grown; yellow flowers very early; shrubbery border; sub-shrub or against evergreens. S.
Cotoneaster, in variety	1'-6'	Wide variety, foundations, [illegible] garden, berries R.
Lilac (*Syringa*)	6'-15'	MAY JUNE. Old favorite also modern hybrids; background, shrubbery border, hedges.
Tamarix in varieties	10'-15'	APRIL MAY. A [illegible] spring to late summer, slender, willowy growth.
Enkianthus (Summer Lilac)	5'-8'	JUNE OCT. Excellent to follow [illegible] spring blooming Lilacs, any soil, prune vigorously.
Deutzia	3'-8'	APRIL JULY. Range of varieties [illegible] foundation, shrubbery border, hedges.
Honeysuckle (*Lonicera*)	3'-8'	Fragrant flowers [illegible] grounds.
Spirea	3'-8'	APRIL-AUG. Many varieties, succession [illegible] and drooping sorts especially effective [illegible] slopes
Rose Snow	2'-6'	MAY JUNE. Many sorts, including [illegible] sweet Brier (Eglantine) [illegible]

VINES (Northwest)

English Ivy (*Hedera helix*, varieties)	30'-80'	Clinging, several varieties; ideal wall covering, [illegible] and shade. S.	Jasmine (*Jasminum*)	8'-15'	Twining. Hardier varieties; sunny sheltered position; *nudiflorum* begins blooming first mild spell; White Jasmine (*officinale*), with [illegible] fragrant flowers, blooms throughout season; good soil and prune [illegible]
Honeysuckle (*Lonicera halleana*, *Americana*)	10'-15'	Clinging. All varieties, including *sempervirens* with white-veined foliage pinkish tinged in winter. S.			
	20'-25'	Twining. Shrubby growth, broad heart shaped leaves, dense shade; ideal for arbors; yellow flowers; Gooseberry like fruit; northern or eastern exposure. S.	Clematis, Large flowered (*C. jackmani* and others)	8'-15'	Twining. Hardy [illegible] tender varieties, for latter [illegible] position
Stauntonia	30'-40'	Twining. Suggests Honeysuckle, thriving best in shade, five-lobed leaves, unique winter coloring.			
Bignonia grandiflora	25'-30'	Clinging and twining. *Grandiflora* and other deciduous varieties, also evergreen sorts, covering for tree trunks, fences, etc.	Hyacinth Bean (*Dolichos lablab*)	10'-15'	Twining. Very rapid [illegible] shade for veranda. D.
Lonicera brownii (Belgian Honeysuckle	15'-20'	Twining. Particularly fragrant; walls, fences, banks. S.	*Vinca minor*	Trailing	Trailing ground cover, small leafy blue flowers, any soil, wall [illegible] *Major*, [illegible] Variegata

PERENNIALS (Northwest)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Aubrietia (Rainbow Rockcress)	5"-7"	April-June	Blue, lavender	[illegible]
Anemone japonica	24"-30"	Sept.-Nov.	Rose, pink, white	Charmingly graceful; mixed border; cutting.
Aster, hardy	6"-48"	May-Nov.	Blue, lavender	Many dwarf [illegible] many new named varieties 24" or [illegible] Aster. R
Campanula (Bellflower)	3"-36"	May-Oct.	Blue, pink, white	Wide range; many natives; border and rock garden. R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Cool growing season and late fall provide ideal outdoor conditions for 'mums.
Erigeron	4"-18"	May-Aug.	Lavender, rose	Daisy-like flowers of azure blue with yellow centers; summer cutting; rock garden. R.
Erodium (Heronsbill)	1"-18"	June-Aug.	Rose-purple	Rosy purple 2" flowers, long stems, produced continuously; display; cutting. D.
Erythronium (Troutlily)	8"-10"	April-May	Yellow, pink	[illegible]
Gentian (*Gentiana*)	6"-18"	April-Nov.	Blue, various	[illegible] drainage. R.
Helenium	3'-6'	June-Oct.	Yellow, orange	Glorious for back of border or in front of evergreens; cutting.
Iris	6"-36"	April-July	Various	[illegible]
Lewisia	3"-12"	May-Oct.	Pink, rose, white	Native doing best in sharp sandy soil, full sun; evergreen foliage, dainty flowers.
Lupine, Washington (*Lupinus polyphyllus*)	12"-24"	May-Sept.	Blue, pink, yellow	Wide range of colors; easily grown; any soil; long season; cutting, border display.
Pentstemon	4"-24"	May-Oct.	Blue, purple, scarlet	Many native varieties especially adapted for rock gardens; gritty soil; good drainage; full sun; several resemble tiny evergreen shrubs.
Phlox	4"-36"	April-Sept.	Various	[illegible]
Polemonium	6"-24"	June-Sept.	Blue, pink	Native with Fern-like foliage, large flowers; border; cutting.
Primula	4"-24"	April-July	Yellow, orange, lilac	Great range of sorts; long season; hardy border; rock garden.
Saxifraga	3"-12"	April-June	Various	Widely varied types; gritty soil; good drainage. R.
Sempervivum	6"-10"	July-Sept.	Pink, rose red	Companion to the Saxifragas; thrives in poor sandy soil. D. R.
Wallflower	12"-18"	[illegible]	Orange, various	Early spring or even winter blooming perennials; mixed border or against evergreen background. [illegible]

ANNUALS (Northwest)

Antirrhinum (Snapdragon)	8"-30"	May-Oct.	Various	Dwarf and tall sorts for front, middle and back of border; unsurpassed for cutting.
Aster	18"-30"	July-Sept.	Lavender, pink, white	Masses of color in the late garden or for cutting.
Balsam (*Impatiens*)	18"-30"	June-Sept.	Pink, white, various	New improved types of this old favorite; avoid too rich soil.
Calliopsis	18"-36"	June-Sept.	Yellow shades	Very long season; ideal for yellow in the mixed border. D.
Dianthus (Annual Pinks)	12"-15"	July-Sept.	Pink, salmon	The Garden Pinks, liking cool weather thrive, wonderfully.
Eschscholtzia (California Poppy)	10"-12"	June-Aug.	Golden yellow, various	Masses of golden yellow; easy from seed sown where to bloom; new varieties. D.
Godetia	12"-15"	June-Sept.	Rose, crimson, white	Thrives perfectly; satiny cupshaped flowers.
Larkspur (*Delphinium*)	18"-24"	June-Oct.	Blue, various	More graceful for cutting than perennial type; display in middle of mixed border; self-sows.
Lavatera (Annual Mallow)	36"-48"	June-Sept.	Pink, rose	[illegible]
Petunia	15"-24"	May-Oct.	Pink, various	Unsurpassed for ground cover, walls, banks, window boxes; "Portland" varieties.
Poppy	8"-24"	May-Oct.	Various	Sow where to bloom; special planting for late bloom. D. R.
Sand Verbena (*Abronia umbellata*)	4"-6"	May-July	Lilac, pink	Low, trailing vine; sandy soil, near seaside; self-sown. D.
Salpiglossis	24"-30"	June-Sept.	Various	Velvety Morning-glory-like flowers; wide color range; border or cutting; easily grown.
Sweet Pea	36"-72"	June-Sept.	Pink, various	Blooms to perfection over long period; sow in autumn or very early spring.

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The Gardener's Calendar for March

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
● New Moon, 7th day, morning		1.	2.	3. Empty boxes inverted over the Rhubarb crowns in the garden will stimulate early growth by producing a more even, higher temperature than is usual. When the shoots are [illegible] the barrel to prevent undue blanching of stalks and leaves through exclusion of the light.	4.	5.
☽ First Quarter, 15th day, morning						
○ Full Moon, 22nd day, morning						
☾ Last Quarter, 8th day, evening						
6.	7.	8.	9.	10.	11.	12.
13. Wood ashes from the fireplace are one of the best all around plant stimulants. Scatter them rather thickly over the lawn, garden or border and let them leach in with the rain. If no home supply is available, wood ashes can be bought from the garden stores.	14.	15.	16. Thorough and regular forking over is one of the secrets of making a good compact heap but it will mean a good texture and more rapid disintegration of the contents. The addition of slaked lime and some [illegible]	17.	18.	19.
20.	21.	22. Accurate garden records are the best sort of guide to future work. They should include such [illegible]	23. A well-managed [illegible] house is a year-round producer. Through the spring and summer it can be used for cuttings, Chrysanthemums, potted fruits, etc. Manufacturers are now showing a tendency to design [illegible] simplify the erection	24.	25. Sweet Peas can hardly go into the ground too early in the season. They must get the longest possible start before hot weather sets in on them. The best plan is to prepare the trench deeply in autumn, mulch heavily to exclude frost and plant the seed in March.	26.
27. Plenty of fresh air and sunlight are essential to seedlings indoors or in the hotbed or cold frame. Lack of them often leads to that fatal and rather obscure disease, "damping off." In the early season, though, guard the tiny plants against cold air and risk of night freezing.	28.	29.	30. Should any of the smaller trees appear unthrifty, try digging a trench around them 4' from the trunk, filling it with good, rich loam and firming well. If this is impossible, they may be given tree-food in holes punched into the ground at intervals with [illegible]	31.	First Week. Clear and warm Second Week. Young blizzard. Third Week. Heavy rain Fourth Week. Dry and blustery	

Financial difficulties, says Old Doc Lemmon, beset even Samson Corners

"'Course I don't really know much 'bout it, but still an' all I calc'late thet these here financial troubles thet the papers are so full of hev hit purty nigh ev'ry town in the hull country. Why, even up here in Samson Corners we've gone an' got us into a money pickle though mebbe it ain't just the sort thet some o' the big cities are up ag'inst. As a matter o' fact, there's a-plenty cash in the village treasury—close onto seven hunderd dollars—but seems like nobuddy can't up an' spend none of it. An' so, Miss Luella Griffin's livin' on charity an' Con-stable Pangborn's hung up his nickel-plated star an' gone back to raisin' hawgs.

"Miss Luella she's the village school teacher. For nigh onto fifteen year she's been l'arnin' their letters to the kids winter after winter, an' twicet the Board o' S'lectmen hes raised her pay—fust from forty to forty-five dollars a month, an' then to forty-six fifty. A good teacher, she be, an' steady-goin' as a Morgan mare; thet's why we're so upsot 'bout her not gittin' none of her wages since last November. Seems like it ain't right, whut with all thet money layin' there in the treasury—but fur's I can see we can't do nothin' 'bout it afore the next 'lection.

"Why? Wal, ye see, it's like this:

"There's a State law which says thet two out o' the three S'lectmen hev got to be present to say so afore the Treasurer can pay any o' the village bills, an' we ain't got two. Lem Hoskins an' Nate Stroud an' Wilbur Edwards was the three who come in at the last 'lection, but Nate he moved away acrost the State Line 'bout the end of August an' Wilbur up an' died of old age an' not enough applejack 'round the time o' the fust black frost. So Lem's the only one left, an' one ain't enough to authorize Miss Luella's pay nor Con-stable Pangborn's, neither. Even if it was, I dunno as how it would do much good, for Jawn Hawley, the village treasurer, he's got the creepin' palsy so bad thet I misdoubt he'd be able to count out the money right, anyhow.

"No, sir, it don't look like it ain't goin' to be done only wait until we can put in a new quorum, as ye might say, at the next 'lection, an' thet's a long ways off. Meantime, I calc'late as how us folks'll hev to take care o' Miss Luella the best we can an' try to keep her sperits up. As for Constable Pangborn—wal, I allus figgered he was better at takin' care o' hawgs than enforcin' law an' order, anyways. Come to think of it, there ain't never been nothin' for him to do as a sworn orficer, only for thet time a couple year back when Zeke Cuddeback claimed a city feller hed shot one o' his cows thinkin' she was a deer an' Zeke sot out for to hev him arrested.

"So ye see, as I was a-sayin', gov'ment money trouble don't play no fav'rites. Mebbe Philadelphy an' Chicago an' N'York an' the rest o' them big cities owes folks more'n Samson Corners does, but thet ain't the p'int. Whut really counts is how much folks is upsot by the mess, an' whut can be done 'bout it. Figgerin' thisaway, I guess Samson Corners is about as bad off as any place, big or leetle, thet ye ever heared tell of."



Soups that give a glow to the meatless meal

Strictly vegetable—

for Lent, Fridays, Any day

The days, the seasons come when meat does not appear on many a family table. Then the meal-planner has a special responsibility to keep the table at its usual happy, cheerful key—to retain the customary brightness and charm in attracting the family appetite. Have you taken full advantage of these four Campbell's Soups —Tomato, Pea, Celery, Asparagus? There's nothing like piping-hot soup to give an instant "lift" to any meal. All four of these soups are strictly vegetable and so can be served freely in Lent, on Fridays and any day throughout the year. They are enriched with nourishing creamery butter, instead of with meat. And simply by the addition of milk or cream instead of water, any one of these four Campbell's Soups can be easily served as a Cream Soup. Order a supply today.

LOOK FOR THE RED-AND-WHITE LABEL

11 cents a can



If You Cherish

Old Lace... rare linens

Come to El Encanto when you're in Havana. Here you will find the beautiful laces, rich embroideries, fine linens for which luxurious Cuban homes are renowned . . . French perfumes — costume jewelry — men's accessories — imports from all over the world — also await you.

Write for our interesting travel book — free.



El Encanto

SOLIS, ENTRIALGO & CO.

Cuba's Largest and Smartest Department Store

• HAVANA •

What's new in building and equipmen

CONTINUED FROM PAGE 58

COLOR IMPREGNATION OF WOOD. By means of an original process, logs may be imbued with a color stain before they are run through the saw at the mill. This treatment will penetrate the entire thickness of the log, although the sap wood furnishes the best resulting colors, since the tannic acid in heart wood reacts on the pigments. Every piece of trim, molding, or flooring subsequently cut from the sap wood of a log thus treated will be found uniformly colored from face to back. Interesting two tone effects may be possible by combination of heart and sap wood in a single piece.

When white pine or poplar trim is bought thus pre-colored, it is possible for the purchaser to make a definite selection of the suitable shade prior to purchase. The color will be already in the piece and no amount of planing or sanding will uncover any variation of it. The wood will show to additional advantage, in fact, since the stains by which it is impregnated in this process, developed by the General Preservatives Corp., tend to accentuate the grain of the wood. As soon as trim is erected or a floor laid, a coat of lacquer or wax applied to it will complete the decoration.

ELECTRIC IRON. Pushing an iron up and down the length of an ironing board is no longer necessary. An original method of performing this household task is found in an electrically heated iron which remains stationary, while the pad beneath it reciprocates against the heating surface. Clothes to be pressed are shifted along between the two surfaces, an operation which may be carried on with the housewife seated.

The device, by Crosley Radio Corporation, will iron everything which can be ironed by hand. There is no drudgery in its operation; results are gratifying and speedy. Fabrics cannot be injured, nor buttons broken. The temperature of the heating element is regulated by thermostatic control at finger touch.

METAL BASEBOARD. How often have you wished to add electric outlets in some room of the house and found it an expensive and dirty job? The usual difficulties will not be experienced where a metal base, which incorporates two raceways for the running of wires, is adopted. Such a base, manufactured by Dahlstrom Metallic Door Co., has a lower channel for electric wires and an upper one for telephone and bell wires. From these, supplementary outlets for electric service, or for telephone or bells, may be installed at any future date. Expansion of service in the future requires no structural changes; additional wires are pulled through the raceways when they are required.

NON-RUSTING METAL CASEMENT. The present vogue for the metal casement window in all architectural styles finds an aluminum casement made available in a complete range of standard sizes by William H. Jackson Co. It is claimed that this window cannot shrink, warp, bind or rattle. Nor can it [illegible] stains on the wall beneath. Pro installed, it is said to be perman air- and water-tight, it never req painting and is easily screened. P ing of the sash at some distance the frame allows clearance for cleaning of the glass. Such a wi is a real economy since it shoul expense free during a long perio service.

CONCEALED DOOR-CLOSER. A cealed door-closer, recently perf by the Yale & Towne Manufactu Co., will solve a difficult problem many households. It may be mor into the top of a door which least 1¾ inches thick and has a rail six inches wide. It is entirely visible, and yet may be readily lated by two screws on the top o case. A high grade mineral oil, as a checking medium, assures tinuous lubrication. It is noiseles operation, smooth and free from lash. The door may be held open against the wall whenever desired.

UNIT INCINERATOR. Mode priced homes, and those where is limited, may now enjoy the ad tages of household incineration. unit arrives completely assembled, requires no special brick chamber struction. It is built into a space than 19 inches square in the base chimney under a flue of proper

The outer shell is of heavy steel, riveted to rugged frames. Sec of 3/16 inch corrugated cast iron stitute the inner lining. The full d ing grate is so designed that the flame provided does not impinge it, but has full, free access to the terial above. Air space between shell and inner lining provides ation by continuous circulation o

The experience of the Kerner cinerator Co., manufacturers of unit, led to the adoption of th fired dryer-igniter, one of the features of this equipment. It has found that units of small cap such as the one here described, a fairly large flame to start the terial burning. Far greater cons tion efficiency is said to be obt by preliminary drying out of all to be disposed of.

NEW INSULATING PRINCIPLE. flection of heat back from a pol surface is the latest theory in in tion. Brightly polished aluminum, example, is said to reflect 95 per of the radiant heat which falls up surface. Permanence of the pol surface of a foil made from this is assured by a layer of transp oxide, which protects the metal attack, and is itself unaffected b atmosphere.

Insulating characteristics of aluminum foil are summarized b Alfol Insulation Co., its manufa ers, as follows: high thermal effic equal to cork; negligible weight heat storage capacity; imperviou to moisture; cleanliness in applic and use. There is no dust or dir tendant upon installation of this nor has it any unpleasant odor.

Insulation is built up by appli

Continued on page 76

"Since I started gargling Listerine I almost never have a Cold"



TESTS SHOW

Listerine

GARGLE

reduces Number of Colds 50%
reduces Their Severity 75%
reduces Their Duration 66%

rywhere men and women are talking about remarkable power of Listerine to keep n from catching cold, and to convert what eatened to be severe colds into mild ones. ool teachers, guarding the health of their e charges, join parents in praise of the ce-a-day Listerine gargle.

Not Opinion, But Fact

I now, just to clinch matters, a number of ntific tests, conducted under medical super-on, show that public endorsement is based scientific fact. They prove once again that e efficient in the control of infection, a **uth wash must not only kill germs, but t it must do so without harm to tissue.** sh mouth washes, authorities say, could possibly achieve the results credited to erine, the safe antiseptic. Because Listerine, le it kills germs in the fastest time and ices bacteria 98%, also heals tissue.

Succeeds Because Safe

Here, in brief, is an outline of some of the tests and their remarkable results:

204 people in normal health were under medical supervision in winter weather for periods ranging from 4 weeks to 4¼ months. During this time, ⅓ of the number did not gargle full strength Listerine. ⅓ did gargle with it twice a day. ⅓ gargled with it five times a day. Now, see what happened:

One-Half as Many Colds for Garglers

Those who gargled with full strength Listerine twice a day, contracted only ½ as many colds as those who did not gargle.

When Listerine users did contract colds, their colds were ¼ as severe and lasted only ⅓ as long as colds caught by non-Listerine users.

Those who gargled with Listerine five times a day showed even greater resistance to infection, although not in the proportion to the frequency of the gargle.

These results, brilliant as they are, do not mean that Listerine should be a substitute for the family physician. They *do* mean, however, that Listerine should be used systematically twice a day as a means of fortifying the oral tract against infection.

Prove It Yourself

All we ask is that you try Listerine and see how well it lives up to the claims we have made for it. Lambert Pharmacal Co., St. Louis, Missouri.



also relieves

SORE THROAT

EFFECTIVE BECAUSE SAFE

WEDGWOOD



Embossed Queensware

Ever since Josiah Wedgwood executed a special dinner service for Queen Charlotte in 1763, the Wedgwood Potteries have been supplying the finest tableware to the crowned heads and aristocracy of Europe. * * * Embossed Queensware, first made in 1770, has the rare distinction of one hundred and sixty years of unwavering popularity. It is made today in much the same way as in the Eighteenth Century. The classic shapes — so characteristic of Wedgwood—are retained, while the graceful embossed decoration, in pale blue (called lavender) or cream, still is applied by hand upon the rich cream or ivory ground. * * * Whether it be a single decorative piece or a complete dinner service, Embossed Queensware compels immediate appreciation.

Upon request we shall be pleased to send you a copy of our illustrated booklet.

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Mark on Jasper, Basalt, Queensware, Etc.
WEDGWOOD

What's new in building and equipmen

(CONTINUED FROM PAGE 74)

of several layers of foil, usually crumpled to maintain air space between successive sheets. It is extensively used for insulating steam mains, and for enclosing hot water tanks to prevent wasteful loss of heat. It is particularly valuable as an insulation agent where its light weight will prove an asset.

UNUSUAL LUMBER JOINTING. Wood sheathing joined together with a lock joint resembling the interlocking of hands is recommended to form a solid mass of lumber over any surface to be thus covered. The Jointite Co. claims the design is simple and foolproof, with elimination of variation in alignment and level. The novel design results in a weatherstrip joint which does not require battens for protection against the elements.

HUMIDIFIER. Improved conditions of humidity in the atmosphere of the home may be provided by installing a humidifier unit on a steam or hot water system. Such a unit is available in two sizes, one for installations up to 15,000 cubic feet, which will vaporize from 7 to 10 gallons of water daily, and one to meet larger demands, with a capacity of from 15 to 20 gallons a day. The air of the room cannot be oversupplied with moisture, since the principle used is the air absorption of water. Dust is removed from the air during the process.

The humidifier, made by Trane Co., is low in first cost, easy to install and simple in its operation. In addition to heating supply connection, it requ a water feed and waste pipe. It cupies little floor space and is quie operation. Enclosure cabinets are sheet steel finished in two-tone c effects, or with a prime coat o where it is desired to paint it to m interior decoration of the room.

CLOSET EQUIPMENT. Seven (L venient fixtures have been designe Knape & Vogt Mfg. Co. to utilize e inch of space and provide a place every garment. Of first import among these is the garment car which may be easily attached to s or wall. Since this rod is pulled into the room when the closet doo opened, the efficiency of shallow clo thus equipped is greatly increased. alternate fixture is the extension cl rod of nickel plated, cold rolled s which may be adjusted to take up full width of the closet. Then ther the stationary garment bracket wh extends horizontally from the wall

Fourth is the shoe rack, attac to baseboard, wall, or door, whe shoes may be neatly hung in p

There is also a hat holder, to k hats clear of a dusty shelf. Four p of trousers may be hung full lengt the cuffs, thereby always remainin press, in the hanger recommended tie rack is the last, a convenient p for neckwear, keeping ties ord presentable and accessible. These s convenient fixtures are as practical dressing up the old closet in the h needing remodeling, as they are the new house.

Old-time roses are coming back again

(CONTINUED FROM PAGE 87)

Gloire: A miniature of pompon Mo Rose; rosy crimson, splendid for corsage or boutonnière.

Madame: Pink. *Madame Louis Lévêque:* Largest bloom of all, bright pink, recurrent. *Monsieur Pélisson:* Carmine, very lovely. *Nuits d'Young:* Maroon (*Nuits* is French for nights). *Salet:* Rosy pink, recurrent. *Zénobia:* Satiny pink.

To that list we may add Crested Moss (Chapeau de Napoleon), a curious variety with sepals heavily ornate, but the calyx has no moss.

The Centifolia or Provence Rose is the variety grown by the Turks for rose water and it was imported at the same time as the Damask. Long before being used for perfume, it was grown as one source of vegetal pure blue dye, as the petals are very rich in cyanin (pure chemical blue); when one treads on very old Turkish rugs he is walking on Rose petals! *Rosa Centifolia* has been used extensively in hybridization, and most Hybrid Perpetuals and Hybrid Teas descend from it; hence the disposition of some to "blue". Most hybrids are classed as Perpetuals and only the types are available as true Centifolia:

Rosa Centifolia: Red and w types.

Konigin Von Danemark: Flesh p

La Noblesse: Light rosy pink.

Madame d'Hébray: White str lilac.

Oeillet: Bright pink.

Old Tuscany: Blackish maroon.

Pompon de Bourgogne: S flowers, pale pink.

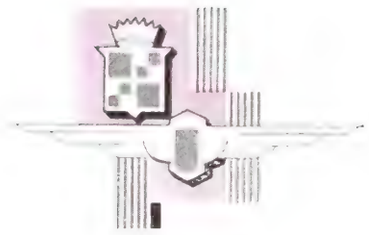
Red Provence: Crimson.

Rosa Mundi: Multicolored w pink and red (not to be confused v York and Lancaster).

Vierge de Cléry: Snowy white.

The Damask Rose is the Attar R Many experiments have been m with hybrids of Damask and o strains but none as yet gives a la yield of essential oil than the orig type. There are the single form the double form (*R. damascena t gintipetala*). The most interesting f is York and Lancaster, red with regular markings of white and at ti entirely red or entirely white. A fam old Rose (originated in 1551) ab which much romancing has been d connecting it with the War of Roses although it came sixty-six y after the close of that struggle.





For a Richer Existence

It is told in the fable of King Midas that everything he touched turned instantly to gold. And it made King Midas a miserable man, so that he prayed aloud for relief from the treasure that surrounded him. Now King Midas but learned, in this unusual way, what every man ought to know as his birthright: that gold and silver and riches like these are as nothing within themselves. It is only when they point the way to a fuller and richer existence that they justify the space in which they are stored away. . . . It is because so many people have come to recognize this that Cadillac and La Salle enjoy the patronage they do. For there comes with these distinguished cars a degree of pleasure and enjoyment which makes their cost as nothing for the man who has the means. No one, we believe, could view and drive these beautiful creations without the conviction that they make life richer wherever they go.

La Salle prices range from $2395, Cadillac from $2795, f. o. b. Detroit

CADILLAC MOTOR CAR COMPANY

DIVISION OF GENERAL MOTORS

Detroit, Michigan



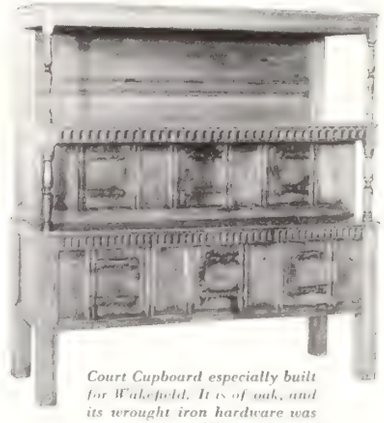
REPLICAS of RARE ANTIQUES from FAMOUS *VIRGINIA* HOMES

WAKEFIELD

ONE of the important events in connection with the celebration of the Two Hundredth Anniversary of the birth of George Washington is the restoration of Wakefield — his birthplace. ✿ The Virginia Craftsmen were chosen to make the reproductions of the Early American furniture to be used in this restoration, and permission to make additional copies has been granted. Three of these pieces are illustrated on this page. ✿ Because of the fidelity of their reproductions, the Virginia Craftsmen have been granted the privilege of copying many rare Colonial antiques now privately held in old Virginia homes. Whether desired in groups for any room in the house, or in the occasional piece, the purchaser may be sure that his Craftsmen furniture is a faithful replica of the original. ✿ We shall be pleased to send you upon request a copy of our illustrated booklet describing these charming reproductions, and to tell you where you may purchase them in your vicinity.



Replica of an Early Sixteenth Century Mirror. The frame is of solid walnut, with burl walnut scroll work. The candle holders are of hammered brass and the mirror is bevelled glass plate.



Court Cupboard especially built for Wakefield. It is of oak, and its wrought iron hardware was made in our own blacksmith shop.



INTRODUCTORY OFFER

FOR the benefit of those who are not acquainted with the high quality of materials, workmanship, and finish of our furniture we are making a special offer of this adjustable candle stand in maple. This will be sent to you prepaid upon receipt of $15, check or money order. Wired for electricity $30.

Virginia Craftsmen Inc.

HARRISONBURG, VIRGINIA

New York Showrooms
127 PARK AVENUE

Chicago Showrooms
1513 MERCHANDISE MART

Northwestern flower gems

(CONTINUED FROM PAGE 51)

violet blue with paler throat, classed by M. Correvon as the most desirable Pentstemon for rock work. *Rupicola*, semi-prostrate, with rose or red flowers held above the grayish foliage on short stems; especially drought resistant and good for dry places and walls. These will do well to start with. Others are *cardwelli*, bearing bright purplish-rose flowers intermittently through the season; *newberryi*, similar but deep pink; *fruticosus*, foliage dark green, flowers lavender-blue; *menziesi*, and *rattini minor*, both semi-prostrate, the former with flowers blue to purple, the latter Forget-me-not blue and fragrant.

To the fine group of dwarf Phloxes already well known, the Northwest adds several equally desirable. *Phlox adsurgens* is certainly one of the most beautiful of all the creeping forms. Its flowers are fairly large, held slightly above the bright green foliage, and are of a salmony pink; it has a longer season and flowers later than *subulata* and other early spring sorts. *Diffusa* has large flowers, produced singly, of white, pink or lavender, and blooms more or less throughout the season. *Douglasi* makes a more compact or tufted growth, with individual flowers of bright lilac to white.

NATIVE EVERGREENS

While the Sedums and Saxifrages thrive in the Northwest and are popular in local gardens, there are comparatively few native species. At least two of each, however, are well worth adding to our Eastern gardens. *Sedum spathulifolium*, from Northern Oregon, forms a neat mound of clusters of fleshy flat foliage, each terminating in bright yellow flowers during early summer, while *oreganum*, somewhat similar in habit, has bronzy-green foliage with smaller bright golden flowers. Both are excellent to precede the later flowering Sedums. *Saxifraga caespitosa*, as neat and compact in habit of growth as a Sedum—quite as fine as and easier to grow than many of the "mossies" from the other side—is an early bloomer; I saw it in flower near Tacoma in mid-April. It is especially abundant on Mount Mitchell. From Mt. Rainier and Mt. Jefferson comes another little gem, *S. tolmiei*, forming a creeping, solid carpet dotted with small starry flowers on short stems. Both do best with gritty but moist soil and a northern exposure, or at least shade during the hottest part of the day.

Several dwarf growing Asters, Campanulas and Erigerons may be added to the list. There are Northwestern forms of *Aster alpinus*. *Andersoni*, from California, has purple or blue flowers; *hesperius*, California's "wild Aster", is a distinct shade of pale lavender. *Petiolata*, the Olympic form of *Campanula rotundifolia*, is much more compact growing than the usual type, although the flowers are larger; it stands drought and is easy to grow, but flowers more continuously—May to November—in fairly moist soil. *Piperi*, also from the Olympic Mountains, is quite distinct: it forms compact rosettes or evergreen foliage, the flowers being bright blue with sharply contrasting red stamens.

The Erigerons, always charming and all too little appreciated, are well represented in the Northwest section. *E. alpinus* is native here as well as in Europe. *Trifidus* is a fairy gem with tiny Daisy-like flowers of delicate lavender on three-inch stems held daintily above the flattened, compact foliage; it blooms from May through June and July to August.

Two dwarf Trilliums, *rivale* and *petiolatum*, bring a new charm to the shady, woodsy corner of the rock garden, or the wild garden. The former attains a height of eight inches, and is white; the latter, still more dwarf, bears purple flowers [illegible] similar to our Eastern *grandiflorum* is perhaps somewhat larger and coarser, often changing from pure white to deep rosy pink. I came across one colony of these, on a steep rocky hillside, in full bloom and at least an acre in extent. The effect, there in the dim shade of towering trees, was fairly breath-taking.

Douglasia (*Androsace*) *vitaliana* a very attractive dwarf for the rock garden, much better known abroad than here, has a cousin, *D. laevigata*, with flowers of cheerful bright pink, held clear of the compact tufts of glossy dark foliage on little three-inch stems. It inhabits the Olympic Mountains and has just recently been domesticated.

Two popular natives of Washington and Oregon, locally known as Queen-of-the-Spring and Oregon Sunshine, are *Synthyris rotundifolia* and *Eriophyllum caespitosum*. The former bears clusters of beautiful lavender-blue flowers held on six-inch stems above loose crowns of scallop-edged round leaves, which are decorative even after the flowers, among the earliest of all—February or March in Oregon—are past. *Eriophyllum caespitosum*, especially valuable because it will grow in extremely dry, poor soils, has attractive gray Yarrow-like foliage and Daisy-like yellow flowers produced freely and making a brave show all through midsummer.

A GOOD BROAD-LEAF

One of the most interesting rock garden broad-leaved evergreens I have seen anywhere is a Holly-like shrub, dwarf and compact, with spineless leaves margined yellow and cream, which I encountered in a nursery near Portland. While not a native—the stock having been propagated from a plant brought over from Japan some twenty years ago—it does well under Coast conditions and seems suited, from trials, to other fairly mild climates. It is an Onnanthus, cataloged as *illicifolia variegata*.

While all of the preceding are adapted to rock garden planting, though many of them may be grown as well in the well drained border, there are a number of other native perennials deserving general use in our hardy borders.

One of the most striking of these is *Delphinium nudicaule*, with flowers of brilliant scarlet, stems a foot and a half or so in height, and considerably hardier than *D. cardinale* of California

(CONTINUED ON PAGE 104)



COACHWORK OF DISTINCTION IN A CAR OF LOWEST PRICE

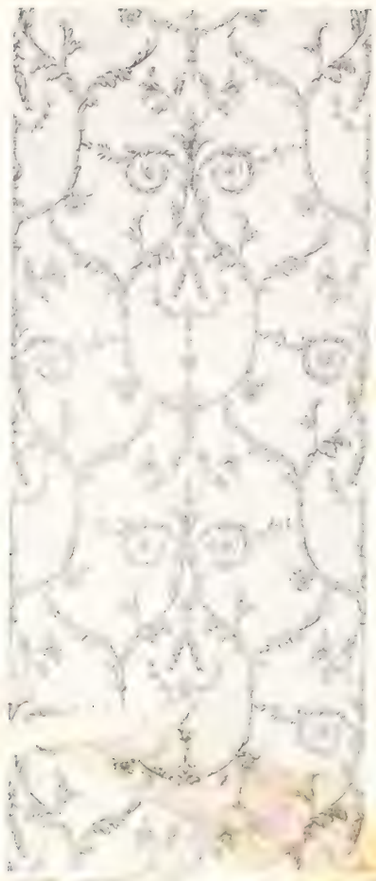
Chevrolet has long had the happy faculty of turning out smart personal cars with a certain well-groomed air about them. Witness the new Sport Coupe, a characteristic example of Chevrolet styling, with its distinctive body by Fisher. The lines of this model lay special stress on lowness, length and fleetness. The body-contours are clean and smooth, with a welcome absence of anything that might detract from their simplicity. Just enough bright fittings have been added, on radiator and hood, to give the car sparkle and dash. And the interior has been tailored and fitted in the quiet, luxurious way that suggests custom craftsmanship . . . and assures complete relaxation. Yet, distinctive as Chevrolet is in coachwork, probably its chief distinction lies in its performance. For, in addition to smooth multi-cylinder operation, Chevrolet combines Free Wheeling with simple, easy, non-clash Synchro-Mesh shifting.

NEW CHEVROLET SIX

Priced as low as $475 f. o. b. Flint, Michigan. Special equipment extra. Low delivered prices and easy G. M. A. C. terms. Chevrolet Motor Co., Detroit, Michigan, Division of General Motors

THE GREAT AMERICAN VALUE FOR

THE KNOX—No. 7000—Used in many of the rooms of the Knox Mansion, Montpelier, this three French style suggests how, if Lafayette, now addressed General Knox on the eventful matter of furnishing and decorating his new home.





Montpelier — the home of Thomas Knox, Major General Henry Knox, first Secretary of War, the friend of Washington and Lafayette and one of the leaders of his time. Of painted brick, timber, and stone, it stood Colonial mansion in the grand manner to which prominent people were invited for a [illegible] season [illegible]

From the gracious walls of MONTPELIER . . .

When the Knox Mansion was recently restored, the [illegible] Strahan Company to reconstruct and reproduce the original wallpaper designs. Parts of the fine old patterns were missing—it was a work that required the utmost skill and the most intimate knowledge of the period.

Today these stately rooms are papered as they were a hundred and fifty years ago—when sailing ships brought the treasures of old France to the shores of the new world. And the Knox papers are shown in the Strahan collection . . . available now to all who appreciate exquisite things, typical of the authentic character of all Strahan designs—traditional or modern.

Ask your Dealer or Decorator to show you our four Knox Memorial papers—the Knox, No. 7000, the Montpelier, hand-print No. 301, the Lafayette, No. 7006 and the Talleyrand, No. 7010.

Strahan Wallpapers

THOMAS STRAHAN CO. [illegible], CHELSEA, MASS.

New York Showroom
417 FIFTH AVENUE

Chicago Showroom
30 MICHIGAN AVENUE

Arranging cut flowers as they do in Japan

CONTINUED FROM PAGE 41

ciling principle that acts between Heaven and Earth.

Shin, soe and *tae* form the triangle, the structural principle of all Japanese schools. The balance and unification of three inequalities; this is characteristic of Japanese construction.

Ikebana is strongly influenced by the seasons. The sight of water is cooling in summer, but in winter the water must be concealed. Though the forests are leafy and deep in summer, the airiest treatment of the fewest flowers is appropriate. In winter the most flowers are used. They compensate within for the bareness outside. Spring and fall are intermediate between the cold and hot seasons. In fall the branches are emphasized, in spring the blossoms, in summer the leaf. Nature and philosophy have made this art rich in subtle adaptations, and ever new with each new hand that touches it.

Earth, *tae*, shows the greatest variety of form from season to season. Heaven and Man bear constantly the same relationship to each other, but Earth shifts its position and aspect. For example, see the white winter illustration on page 43. In winter Earth starts in front of Heaven and Man, and runs from the side where they stand, across the whole front of the bowl. All the water behind is hidden. Earth is not a group, but a line; each variety of flower in it is in characteristic pose, surrounded by its leaves as if growing. A bud or two stands above the blossoms, just as in the garden. But each blossom is seen; each fills a definite place in the form.

A SUMMER GROUPING

Look at the yellow summer arrangement. It is restrained, simple; Earth is made of only a few flowers loosely put together. They rise from behind the trunk of Heaven and outline the back edge of the bowl. All the water in front is allowed to show. It cools us and freshens the room.

In the fall the relative position of Earth changes again. The holder for the arrangement is placed about one-half of the way back, to one side of the bowl. Earth reaches forward into the bowl from the side of Heaven. About three-fourths of the water is seen under the end of Earth.

In the spring, as in the Larkspur arrangement, an energetic Earth springs from the side of Heaven and Man. It does not extend far into the bowl, but is a little taller and sprucer than in winter. We see water again, hidden from us in winter. Of all the seasons spring seems to me the most characteristically Japanese. It has strength, exquisite restraint and fresh beauty. In the spring all growing things seem deathless. So, in spring a realistic arrangement is most desirable.

Of course Ikebana gives only the representation of growth. Here symbols have their use. By the symbolic form we are transported to the outside world in imagination. Each plant is behaving naturally. Instead of being bound and restrained by the discipline of the design, we become freed within it to use our own ideas.

There is variety without end in this Moribana form. Heaven and Man can look upward in the form of Peach blossoms, or droop to the earth in the form of Willows. They can twist in fantastic balance—Forsythia blown by a March wind—and still be well proportioned, artistic. The contrasting colorful Earth offers even more variety in matter as well as form, with all the garden flowers available.

If June is treating us to a scorching day, make an arrangement of three Iris of uneven heights: one for Heaven, one for Man, and one for the valley between. Arrange the leaves higher than the blossoms and curving outward gracefully. This time place Earth at the other end of the long low bowl as in the Wisteria arrangement on page 42. A few Waterlilies here nestle among their leaves which are cup-shaped above the flower heads. How simple it sounds! This is one of the most difficult though loveliest of arrangements. Though Heaven and Man are separated from Earth, there must still be unity, depth, proportion and balance; and we must actually tie the water into each Waterlily leaf after filling its veins full under the faucet. The arrangement will be strong and cool for a week.

KEEPING FLOWERS FRESH

Preserving flowers is a matter of considerable importance to us, especially in our dry, overheated houses. How many readers of these words will believe that flowers standing in a shallow bowl with only an inch of their stems in water will last longer than in a tall, narrow vase with 8" or 10" of their stems under water? It is true. How can we expect flowers to get pure nourishment from water which is becoming stagnant with rotting leaves, which can get no purification from the air, since the neck of the vase is jammed tight with stems? Let in the light and air. It is always necessary to preserve life.

Of course flowers in a shallow bowl must start fresh and strong. If the flowers for Earth have wilted while waiting to be arranged, give them the tonic of cool deep water till they are braced. If then they are put in a shallow bowl, they will hold their position, even though bent, until completely dried out and passé. They will not wilt again unless overheated. Even so they do better in a shallow bowl. A few lumps of ice will keep it cool.

Some delicate blooms, as the Lilac and Wisteria, need special preservatives. The most practical way to preserve flowers of this kind is to boil two or three inches at the end of the stem in water, or sear the ends over a flame for some seconds, before plunging them in cold water. The heat circulates through the plant and strengthens and preserves its most delicate blossoms. Branches that begin to wilt, yet are not dying from old age, can be restored to strength in this way, specially if left in a cool place for a few hours after the treatment.

Summer garden flowers are best picked after sundown and arranged the next morning. Cut the stems long and crush 2" or 3" at the ends with a hammer and plunge them in deep cold water over night. The next morn-

(Continued on page 82)



W O R L D S U P R E M A C Y

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(As we do above) A beautifully simple [illegible] *Mantel in a style greatly favored by Sir Christopher Wren. Black and Gold Marine-vein Belgian Bleu Marble Facing* [illegible] $[illegible]
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Arranging cut flowers as they do in Japa

(CONTINUED FROM PAGE 80)

ing cut off crushed ends. Crushing has permitted them to soak up quantities of water which they then hold. For this recipe I am indebted to a Japanese lady experienced in this art.

Following are some helpful rules:

1. Use only fresh flowers and branches. Allow them to soak at least one-half hour in cold water.

2. Have the finished form in mind before beginning. This is essential.

3. Avoid squareness or symmetry. Use two, three or five kinds of flowers, never four. In Earth, use three or five blooms or more, never two or four.

4. Bend branches into position before inserting in the holders.

5. Do not start Heaven and Man perpendicular to the bowl. Never allow Heaven and Man to part at base. They must seem to grow on a single stalk for 4" to 6". Sometimes holders are weighted by rocks if branches force them off balance. But in many cases the curved end of a leaning branch of Heaven will return over its base in a way to balance the original angle and restore holder to equilibrium.

6. Make Heaven and Man steady before starting Earth.

7. To keep two branches which touch at their bases from rolling out of place against each other, plane two connecting surfaces so that th become flat and join firmly.

8. Never cross one branch in fr of another.

9. Never cut two flowers exactly same height.

10. Cut on a slant.

11. Clip away unnecessary mater

12. When handling bunches flowers in Earth, as Asters, Primro etc., hold five or six at a time at proper heights and clip the ends gether at one cut.

13. Put the heaviest flower in Ea near Heaven rather than Man. Al make Man subordinate to Heaven

14. Don't push flowers or branc down to bottom of holder. Place th lightly to soak up water at least o half inch from surface of bowl.

15. To fill left-over spaces of hol use leaves of flowers nearest them as naturalistic a way as possible.

16. Spray to keep flowers fresh wl working. One-half inch of water bowl is enough until arrangement done. Then fill bowl to above hold

17. Seek economy of means by ing: as few flowers as possible; as f cuttings as possible; as few holders possible; as few gestures as possi

Suggested combinations for each month

		PLACE	BOWL	HEAVEN-MAN	EARTH
WINTER	DECEMBER	Dinner table	[illegible]	Pine	White Snapdragons, pink Roses, white and pink Sweet Pea, Freesia
		Christmas dinner table	White glass	Spruce	Three Poinsettias, Paper-white Narcissi
	JANUARY	Mid-winter room	Dull-tinted or black glass	Bittersweet, Passion-flower	Bronze Lilies, and Lily-of-the-valley or Wallflowers
		Dinner table	[illegible]	Yew	White Roses, double Chinese Lilies
	FEBRUARY	English living room	[illegible]	Mimosa or Acacia	Red Tulips
		American dinner table	White glass	Bittersweet, Pussy Willow	Red Roses
SPRING	MARCH	Dress-parade tea	[illegible]	Lavender sage, Pussy Willow	Yellow Cactus Dahlias, Yellow Snapdragons and Iris Ensata, Mexican Daisies
		Pre-Easter tea table	[illegible]	Peach Blossoms	Red Stock, Magnonette, Primrose, Begonia
	APRIL	Colonial living room	Pewter	Lilac, Pussy Willow, Spanish moss	Mauve Tulips, Forget-me-nots
		Dinner table	Chinese red pottery	White Lilacs, Spanish moss	Double white Tulips, Chinese red Azaleas, Ivy or Prayer-leaf sprays
	MAY	Luncheon	Blue pottery	Azaleas	White Iris, Lilies-of-the-valley
		Luncheon	White glass	White Cherry blossoms	Roses, small blue Daisies
		Oak background	Lavender vase for the orange pottery	Western stream, mossy rock	Green and orange Orchids or white Lilacs and Lilies-of-the-valley
SUMMER	JUNE	Formal dinner	White glass	Rambler Roses	Larkspur and Stevia, or Sweet-william and Baby's-breath
		Hall	White or green pottery	Flag Iris	Yellow Waterlilies
		Formal dinner	White glass	Bridal Wreath	White Iris, Narcissi, white Roses, white Freesia
	JULY	Country house living room	Flat green basket	Rhododendron in bloom	Lilies, blue Cornflower
		Country house luncheon	Blue pottery	Japanese Snow-ball	Blue, white and yellow Iris, blue Daisies
	AUGUST	Seaside house porch	Pine cone, basket	Spray with Morning-glory	Hardhack, Asters, Sage
		Luncheon	White glass	Blue Hydrangea	Mixed Dahlias, white Phlox
AUTUMN	SEPTEMBER	Porch	Pine cone, basket	Chrysanthemums	Pink and yellow Chrysanthemums and some Asters
		Formal living room	Bronze bowl or vase	Pussy Willow, Prayer-leaf	Bronze Gerbera and large red Dahlia, Japanese Windflower
	OCTOBER	Old-fashioned	Brass	Maple	Small white Chrysanthemums, purple Asters
		Luncheon	Basket	Milkweed, Chinese Lanterns	Heliotrope, orange Peppers, Spanish moss
	NOVEMBER	Luncheon	Glass bowl or vase	Eupatorium	Yellow-orange Chrysanthemums, blue Lace-flower
		Dinner table	White glass	White Chrysanthemums, Smilax	Mixed or red Dahlias, white Carnations, Asparagus sprengeri

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Care that insures the health of evergreen

(CONTINUED FROM PAGE 85)

the dry and frozen ground and the tree dies for lack of moisture. This cannot happen if the ground around the young evergreen has been well mulched late in the fall and given several thorough soakings with the hose, just before the first frosts, unless we happen to have a wet fall. Then, with a covering of the rotted manure mulch spread over the ground, the tree is ready for any January or March thaw; besides keeping the ground warm the juices of the manure are soaking into the ground during the winter and benefiting the tree greatly.

It is in the late winter or early spring that much of the winter damage to the foliage of young evergreens is done. It is the wind, not the cold, which dries up the moisture in the leaves and causes so-called winter killing. You must remember that evergreens at all times are like deciduous trees in full leaf. They do not drop their foliage and thus lack the protection which Nature has given to the Elms and Maples which lose their leaves and have no troubles from wind and warm unreasonable sunshine.

Tender evergreens, especially during the first few seasons after they are planted in severe exposures, should have a barrier built between them and the winds of winter. This barrier should be light, and should not touch the tree itself. One of the most effective ways of building it is to put up a framework on the windward side of the tree and tack burlap over it. Be sure it is strong enough and well braced. Leave plenty of room for air and sunlight. Sometimes these barriers are made out of Pine branches or Corn stalks, tacked against the framework.

When the frost is definitely out of the ground, remove the barrier. Remove, also, the blanket of mulch, and start cultivating under the trees—most of the rich juices have been washed out of the manure by this time and soaked into the ground.

EARLY GROWTH

With proper protection during the winter, your evergreens will start shooting out their new growth, soft and delicately green against the darker, grayer foliage which has served the tree for a year. When this new growth is well started, it is time to shear the tree, if you want your evergreens to keep their original, nursery-bred symmetry and beauty.

It is this new growth which should be sheared, and it is necessary only to take about two-thirds of the new tips off with the hedge shears. An easy way to keep the tree in its formal shape is to flick the scissors up the sides of the tree, snipping off only the tips of the new growth; if this is done early enough, the tree outgrows the shearing in a few weeks. This will keep the tree in solid compact form.

Shearing will do much to keep that fine symmetrical appearance which is so necessary to foundation planting, coming as it does directly against the side of the house, where the color of the house throws into relief the shape of the evergreen.

But do not think that by shearing you can keep a fast growing evergreen within the bounds of your original planting plans. Many a hou owner has watched with dismay h what he thought was the right siz planting kept growing year after ye until he had full sized trees crowd up against the side of the house u able to grow symmetrically beca they were entirely too large for th particular location.

Just because an evergreen looks t right size in a nursery is no reason w it will stay that size—unless it is o of the dwarf varieties, the only ty of evergreen which is really safe f foundation planting. With shearin the dwarf varieties will keep th original shape and size for many yea

There are any number of sm evergreens which can be planted alo the house: the Savin Juniper, for i stance, or the Mugho Pine, the Mo tana Pine, the Pfitzeriana Junip Taxus, the Dwarf Arborvitae, t Dwarf Spruce, the Swiss Stone Pi Any of these, with proper shearin will stay fairly well dwarfed and w maintain the contours designed by landscape architect.

AYS FOR SHEARING

There are some very lovely tre not in the actual dwarf class, whi respond well to shearing and can kept reasonably well within th original planting shape. Among th are the Red and Blue Cedars, t Hemlocks, the Arborvitae, all of t Retinosporas and the Junipers. Th make excellent formal trees, which c be kept clipped into shape and w have a rich, full branch developme

But do not try to improve upon N ture with your shears. Do not try give your trees false beards and otl disguises to hide behind. Do not t to make an Austrian Pine look like Cedar or an Arborvitae look like White Pine. Any good nursery cat log will show you their true sha Make up your mind about the type tree you want in a particular spot b fore you decide to buy that tree rath than afterward.

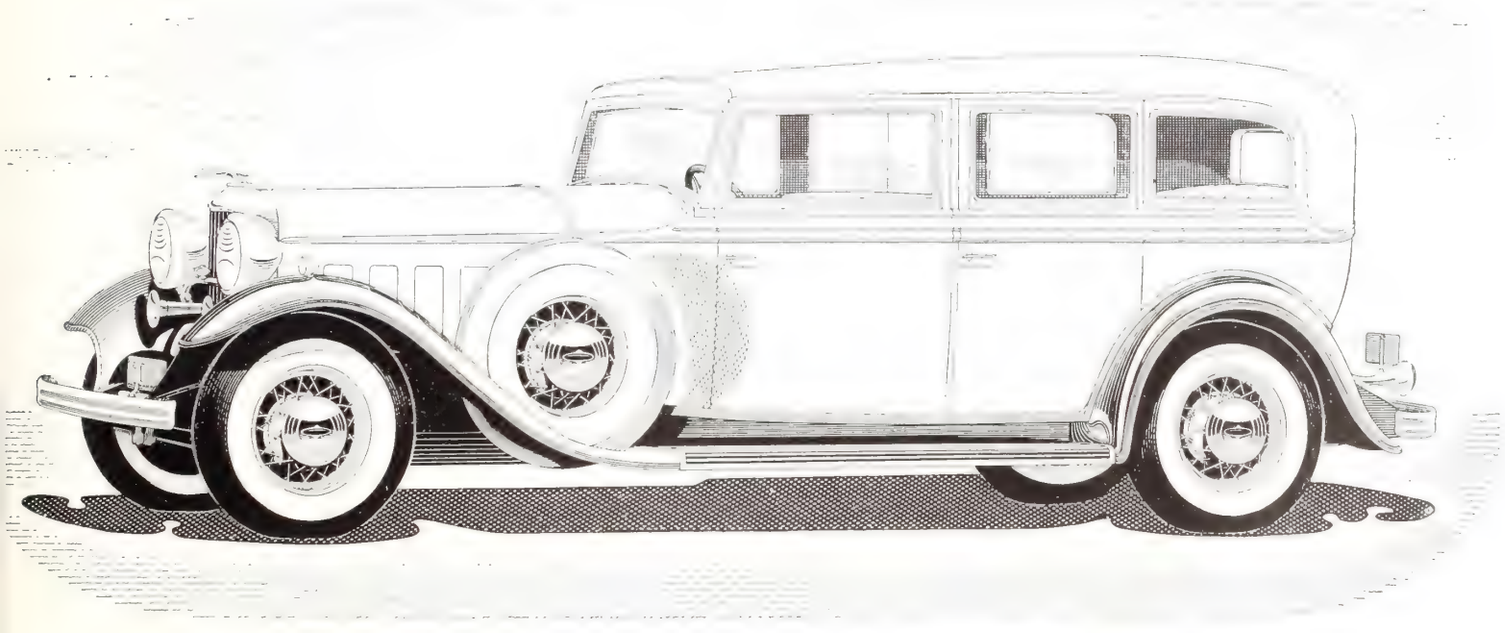
And if you find some of the larg varieties have crept into your list foundation trees, plant them out the lawn somewhere as specimen tre for along the wall they will soon like young cuckoos trying to crow the other birds out of the nest. N amount of shearing will cramp th destiny as large trees, so the soon they are replaced by less enthusiast growers the better your foundation mass planting will look. The Doug Fir, Concolor Fir, the Nikko Fir, of the Spruces, the Austrian Pine, t Scotch Pine, the White Pine and t Red Pine are in this class.

They will have a lop-sided grow along a wall, with sparse, de branches next to the wall rather th symmetrical ones, and will tower ov the house if let go. Eventually th will have to be transplanted, and is well to do it before they are ruin by this asymmetrical development.

Most evergreens never recover lo branches. The Concolor Fir or Jap nese Umbrella Pine will make a t and even these take years. Others, course, will be improved as time go on after they are given a chance

(*Continued on page* 86)

THE LINCOLN 12



The Lincoln V-12 Willoughby Limousine

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ine of 12 cylinders cast in two blocks and set at a gle of 60 degrees to give out-of-step firing and ar smooth operation. Three-point suspension mounted ubber. Brake horse-power, 150. Bore and stroke— × 4½. Dual down-draft carburetor with special in- silencer and air cleaner. Exhaust pipe carried forward d below engine to keep heat from front compartment. Synchromesh gears may be had with automatic adjustment, requiring no attention. Self-acting vacuum-type clutch. Free-wheeling unit controlled from instrument board operative in all forward speeds. Transmission equipped with a special synchronizing unit to facilitate gear shifting. Helical second-speed gears insure quiet operation. Wheelbase, 145 inches. Tread, 60 inches. Brakes equipped with vacuum booster to augment foot pedal pressure. Thermostatically controlled radiator shutters and louvre ventilators. Springs semi-elliptic—rear, 62 inches; front, 42. Steel-spoke, one-piece demountable wheels, diameter, 18 inches, with 7½-inch tires. Twenty-five custom-built and standard bodies equipped with safety glass throughout are offered on the Lincoln V-12 chassis.



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Care that insures the health of evergreen

(CONTINUED FROM PAGE 84)

the open, but they will never quite regain their original contours.

"What can we do," the owner asks, "when we find that giants have crept in as children where only dwarfs should be?"

There is only one answer to this query—transplant them.

At this the average owner holds up his hands in despair. For transplanting seems a hopelessly complicated task, especially with evergreens. It is not difficult, however, if one salient factor is kept in mind, that evergreens are always in full leaf and that the roots must be dug with an unbroken ball of soil because of this.

In transplanting care must be taken to get a good ball of earth with the trees, as many as possible of the fine roots. It is important that the roots within this ball should not be disturbed or loosened. After the tree is dug (that is, if it is a small tree up to 8′ or 10′) first wrap burlap around the ball and bind it tightly with strong cord in order to hold it securely. For trees over 10′ in height it is well to secure the ball with the aid of a wooden platform underneath which will help to hold it firmly and make it much easier to move.

[illegible]

Bear in mind that the roots of evergreen trees should never be exposed to the sunlight. Too much stress cannot be placed on the necessity of the ball of soil remaining intact. Of course, the evergreen is moved with a full load of foliage and must at all times be able to draw sufficient moisture from the root ball to keep its top moist, until such a time as the roots have taken a fresh hold in their new home. The difference between moving an evergreen and a deciduous tree is that the deciduous tree is usually moved dormant, which of course minimizes the shock to its system.

If the roots of the evergreens are exposed to the direct rays of the sun, the sun draws the sap to a place just under or often through the surface where it solidifies. Once this sap hardens it is not soluble again in water because the root ducts become permanently stopped up with this rosinous or solidified sap. Therefore, no matter how much water the once dried roots have or the evergreen receives it cannot absorb it.

It is important, too, that the tree should be transplanted at the same depth at which it had previously been growing. After transplanting it should be held in place by guy wires—that is, if the tree is over 6′ or 8′ high and in an exposed location—until the anchor roots have a chance to grow. These guy wires are for the purpose of holding the tree in place. About 12 gauge wire is the right size; it is fastened around the tree just above the centered point, on the stem. This wire must be well padded where it wraps around the tree, so that it won't cut into the bark. An old piece of hose or inner tube is fine for this. The wire is then made fast to a stake driven well into the ground. Three or four of these wires will be necessary around the tree. If the tree is 20′ tall, it will be necessary to use double strands of wire and bigger stak

All transplanted trees and shrubs even well established weak ones sho be given plant food from time time, which should be spaded into the ground so that the roots not the grass will get the benefit it, at least once a year. This should either a good grade of tree food, o good application of well rotted sta manure, or in the form of a com made from decomposed leaves mi with soil and fertilizer.

If after a few years, during wh you have given them the proper c your evergreens still look thin yellow, if they have been in drained sandy loam and have recei plenty of sunshine, have been sent i the winter with a soaking either na ral or with the hose and a mulch, h been sheared each spring, have their barriers to protect them if r essary from the burning March win are not too crowded and are the ri size for their location—if despite these cares they are unthrifty, t one of two things has happened. T may have succumbed to one of rare diseases which attack evergree or they may be out of their natu latitude or climate.

When you read a nursery cat and pick out a tree which seem fit exactly into your requirements, out if your location is not either far north or too far south before plant that tree. The good nurs catalog will tell you this. Many t are pushed beyond their natural l tude and as a result are yellow straggly and eventually die. The *C rus deodora* (Cedar Deodar), for stance, never seems successful nort Virginia, although attempts have made to bring it as far north as Jersey. Yet the *Cedrus atlantica gl* (Atlas Cedar), recognized for its n northerly adaptations, is hardy as north as the southern part of York and New Jersey.

NORTHERN SPECIES

Trees brought down from the n such as the Balsam Fir, do well farther south than southern Hampshire and Vermont. They unhappy below the latitude of cer New York and usually have a forl stunted appearance.

If you have found out from nurseryman that your trees are in right latitude, then perhaps they been attacked by some insect pest this day of experts, it is well to w to your State Department of Agri ture at the State Capital to find just what pest is undermining health of your trees, and what sh be done to control it. The B Thompson Institute for Plant Rese at Yonkers, New York, will als glad to furnish you with such formation, and so will your nurs man or tree surgeon. This informa is always free.

In general, for nearly all of t pests which afflict evergreens, the tine sprays are safest and most e tive. They should be applied in spring when the insects and dis start their destructive work. In Jersey and the region around sout

(Continued on page 88)



'Borne in the drift of blossoms
Whose petals throng the wind'
—HOUSMAN

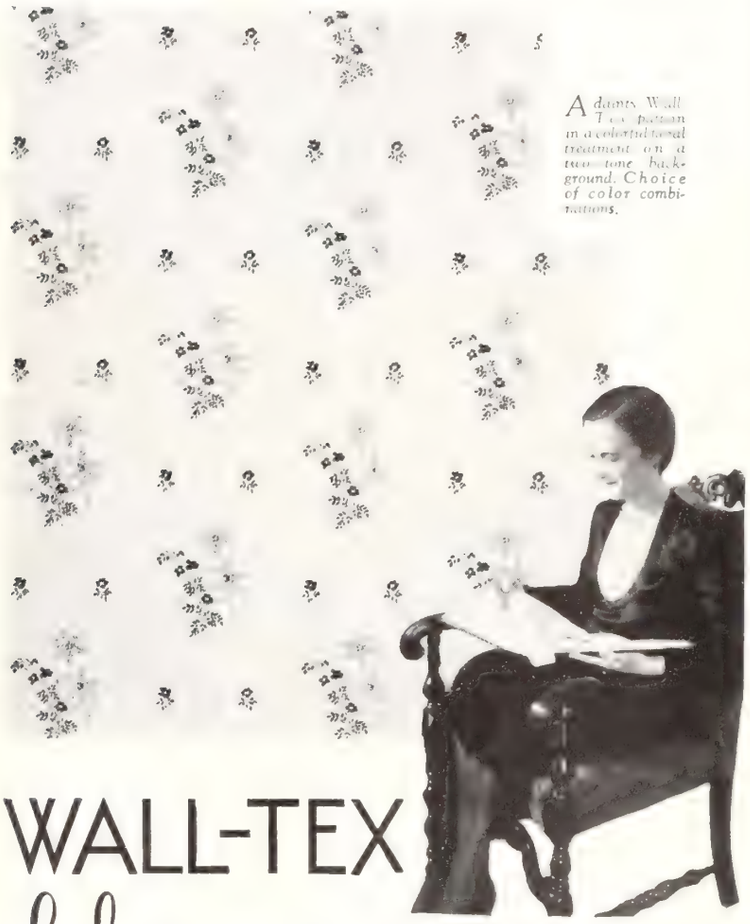
YARDLEY'S *Orchis*



THE falling petals drift across the garden, and all their blended odours fill the air. But winter pursues the loveliest blossoms, and summer's fragrance is ephemeral, unless by some magic you can hold it past its season. . . . There is a perfume made to recreate the fleeting charm of summer, a mingling of every flower that the garden knew. Orchis is the wind across the roses and the jasmin. Orchis is a talisman to give you summer forever. It is a delicate perfume with much of allure and something of adventure; a romantic perfume, which will always say a little less than it means; a perfume for a delightful figure but lately returned to fashion . . . a perfume for a lady. Orchis may be had from seven dollars and a half to one dollar. Yardley & Co., Ltd., 452 Fifth Avenue, New York; in London, at 33, Old Bond Street; also Toronto and Paris.

MORE than Beauty...

Unmistakable RICHNESS *and* CHARACTER



Adams Wall Tex pattern in a colorful floral treatment on a two-tone background. Choice of color combinations.

WALL-TEX

fabric WALL COVERINGS

BACKGROUNDS of Wall-Tex create an atmosphere of quality, a feeling of richness that makes every room more lovely and impressive. Here are soft, pastel colorings — distinctive patterns of character on a *coated fabric* foundation — beauty and utility in that perfect balance which every home owner has hoped to find.

Here is *new richness* — in a *durable* wall covering. No need to worry about dust streaks or grease spots. Simply wipe them off your Wall-Tex walls with a damp cloth. Or wash Wall-Tex with mild soap and water — without the slightest harm.

Here, too, is a wall covering that resists scuffing — and the fabric protects against ugly plaster cracks. After years of service Wall-Tex still possesses its original beauty. If ever you wish to redecorate your Wall-Tex walls, this fabric covering can be painted with perfect results.

Ask your decorator or dealer to show you beautiful new patterns of Wall-Tex fabric coverings—or mail the coupon for newest samples and valuable booklet.



Virginia Hamill

FREE booklet contains many suggestions on Interior Decoration by Virginia Hamill. Includes beautiful color illustrations and color chart for complete room harmony.

Let illustrated free booklet — and newest Wall-Tex samples — mail this coupon to Wall-Tex Fabrics Corporation, Dept. R-3, Columbus, Ohio.

Name_____

Street

*City and State*_____

Care that insures the health of evergreens

(CONTINUED FROM PAGE 86)

New York, the middle of April is usually about the right time. In the latitude of Washington, it should be done ten days to two weeks earlier, while in Buffalo, Chicago and the communities in the same latitude, the latter part of April or the first of May is most effective. Send for your State spray calendar; it will give you this information.

For most of the nicotine sprays the proportion of eight ounces of nicotine to fifty gallons of water is most effective; or for the ordinary three-gallon hand sprayer, one-half ounce.

Avoid the use of oil sprays, except under the direction of an expert, for oil sprays can burn the leaves of the evergreens. And don't spray evergreens just as a matter of routine, for they do not need it unless there is some definite sign of an insect pest, such as the woolly aphis which attacks the Douglas Fir (this looks very much like tiny pieces of wool and sucks the juices from the leaves), or red spider on the Cedar which is almost impossible to see on the trees without the use of a magnifying glass. These little sucking insects do a great deal of damage to Cedar and other conifers, causing a yellowing and dropping of the leaves usually during mid-summer, although spring spraying will usually control them.

Another pest is the Spruce gall aphis, which causes cone-like swellings near the tips of the branches. Another way to combat this, if one has only a few trees, is to pick off these growths during the summer before they crack open. The Pine leaf scale may appear, too, a very small elongated scale which must be controlled in the spring when the individuals first hatch and their bodies are soft.

Another possibility is the Cedar Apple, which should be picked off when dry. This is a little brown fruit from one-half to one inch in diameter. Its host plant is the Apple tree. Th blister rust on the White Pine, on th other hand, has the Currant plant a host, but this disease is very rarel found; it causes swelling of the ste or trunk accompanied by a discharg of sap.

The shoot moth or Pine weevi which attacks the leader of the Whit Pine is difficult to control, but the lea miner on the Arborvitae, which cause a browning and dropping of the foliag just back of the tips, can be controlle by spraying with nicotine spray abou the middle of June in New York. Thi insect is now attacking Arborvitae from the Carolinas north into Canada As the little grub is inside of the leaf it cannot be controlled until it hatche and comes out as a fly. There are sev eral very good mixed evergreen spray on the market.

If the leader on a White Pine ha been destroyed by the Pine borer, cu it back six inches or so into the liv wood so as to get ahead of the borer and then train another shoot for th leader by the use of a three-foot ro fastened upright on the old leader an along which is bent and tied a latera branch. Sometimes the lateral branch assumes this leadership itself, but i is well to give a little encouragement

Except where disease has actuall set in, simple things will fill the need of evergreens: sunlight and room t stretch their branches; a yearly hair cut if necessary; good drainage an a little cultivation; food once a yea (which should always be spaded int the ground so that the roots will g the benefit of it); plenty of water an a good mulch to go into the winte with; a windbreak if necessary for th more tender ones. These are not muc to ask of the owner who has take the young tree away from the hand of the expert where it has been reare as tenderly as a cherished child.

Delphiniums that cap the garden's climax

(CONTINUED FROM PAGE 49)

his nursery. These were selected and crossed with some Kelway Delphiniums, resulting in a few improved whites. These were in turn repeatedly and carefully selected and isolated and in 1922 they were marketed as white Delphiniums. My own experience with Mr. Toole's seeds have borne out his statement that they come well over 90% true white.

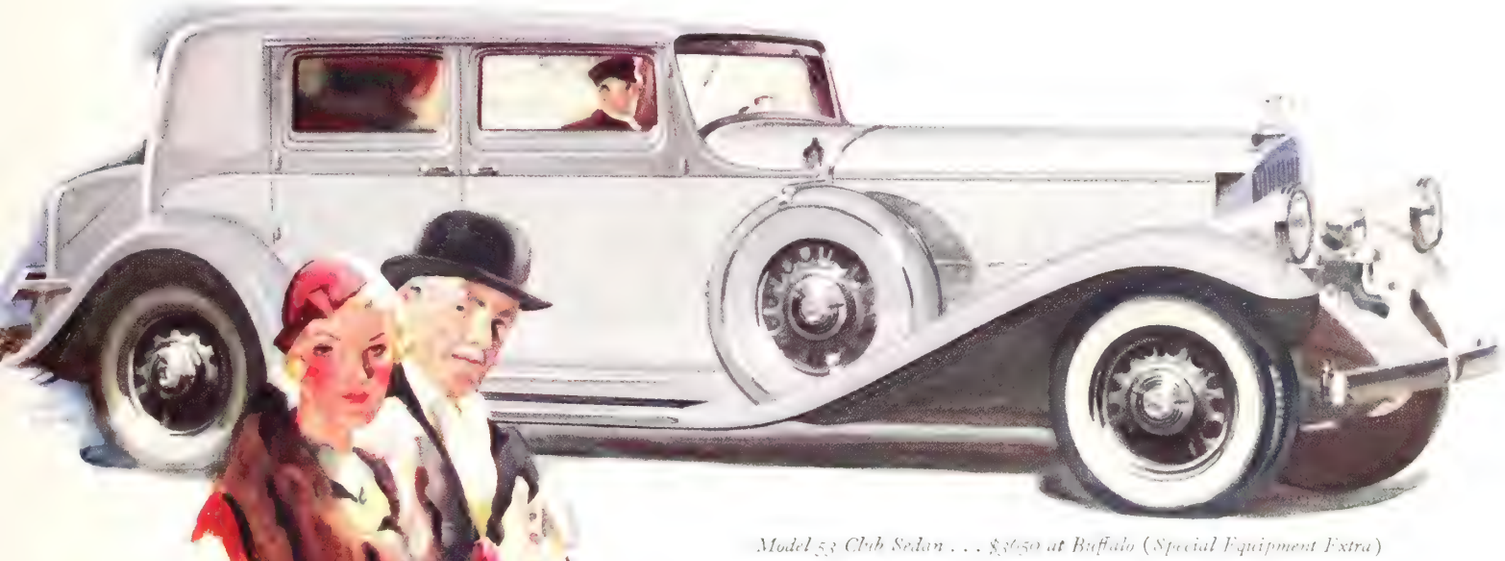
However, the fixing of a white Delphinium is not presented as proof of the feasibility of fixing more complex factors. The strangest fact to relate about Delphiniums is that the one color for which they are famed is the one color they are not, namely, blue. Colors toward the red end of the spectrum—purple, lavender or violet—more or less suffuse the blues in all known European and American Delphiniums. Even the charming sky blue Belladonna is afflicted. If in doubt as to one's color judgment in the matter, a glance at the violet blush on the reverse side of the petals clears up all doubt one may have.

By crossing and selection, the green tint that is found on the petals of some Delphiniums will gradually replace the pink suffusion with a green suffusion, making for a pure vivid green blue o the shade listed in artists' colors a cœrulean blue. This color has th great advantage of holding its bluenes in artificial light, whereas blues wit the slightest tendency towards violet— like cobalt and ultramarine blue—ap pear dull and leaden under such con ditions. For this reason the pure ros lavender Delphiniums are more popu lar with florists than others in th so-called blue colors.

The colors of the most characteristi Wrexhams ran in muddy acrid viole tones, but importance lay in growth and form and not color, and this form has been valuable breeding materia The best original Wrexham types hav broad tapering spikes that are as muc as eight or ten inches wide at th base. Watkins Samuels seems to hav lost interest in the very broad bas spikes, for in seedlings from his newe varieties this extreme seems to be defi nitely attenuated. All choice De phiniums have a way of produc ing ugly ducklings among their chil ren, and these Wrexhams ha brought along with their superlativ qualities a mass of heavy, thick, club

(Continued on page 90)

THE NEW PIERCE-ARROW TWELVES



Model 53 Club Sedan . . . $3650 at Buffalo (Special Equipment Extra)



Another Page in Fine Car History

IN the first few moments of demonstration, any model of the New Twelve line registers as a brilliant example of engineering discovery and creation.

No other fine cars are like or even comparable . . . none has so completely harnessed and controlled the amazing power of twelve cylinders . . . or made this power so obedient to every wish and whim of silent, luxurious motoring.

The New Twelves are endowed, as well, with the enviable social preferment that is ever Pierce-Arrow's own.

In brief, Pierce-Arrow gives timely and characteristic expression to the twelve-cylinder type of fine car . . . offers economic warrant for its present purchase . . . and again supremely justifies the faith of two generations of well-bred Americans.

THE NEW TWELVES ARE IN TWO GROUPS:
142" to 147" wheelbase . . . 150 horsepower . . . $3995 to $4500
137" to 142" wheelbase . . . 140 horsepower . . . $3295 to $4[illegible]

THE NEW EIGHTS ARE PRICED FROM $2495
137" to 142" wheelbase . . . 125 horsepower

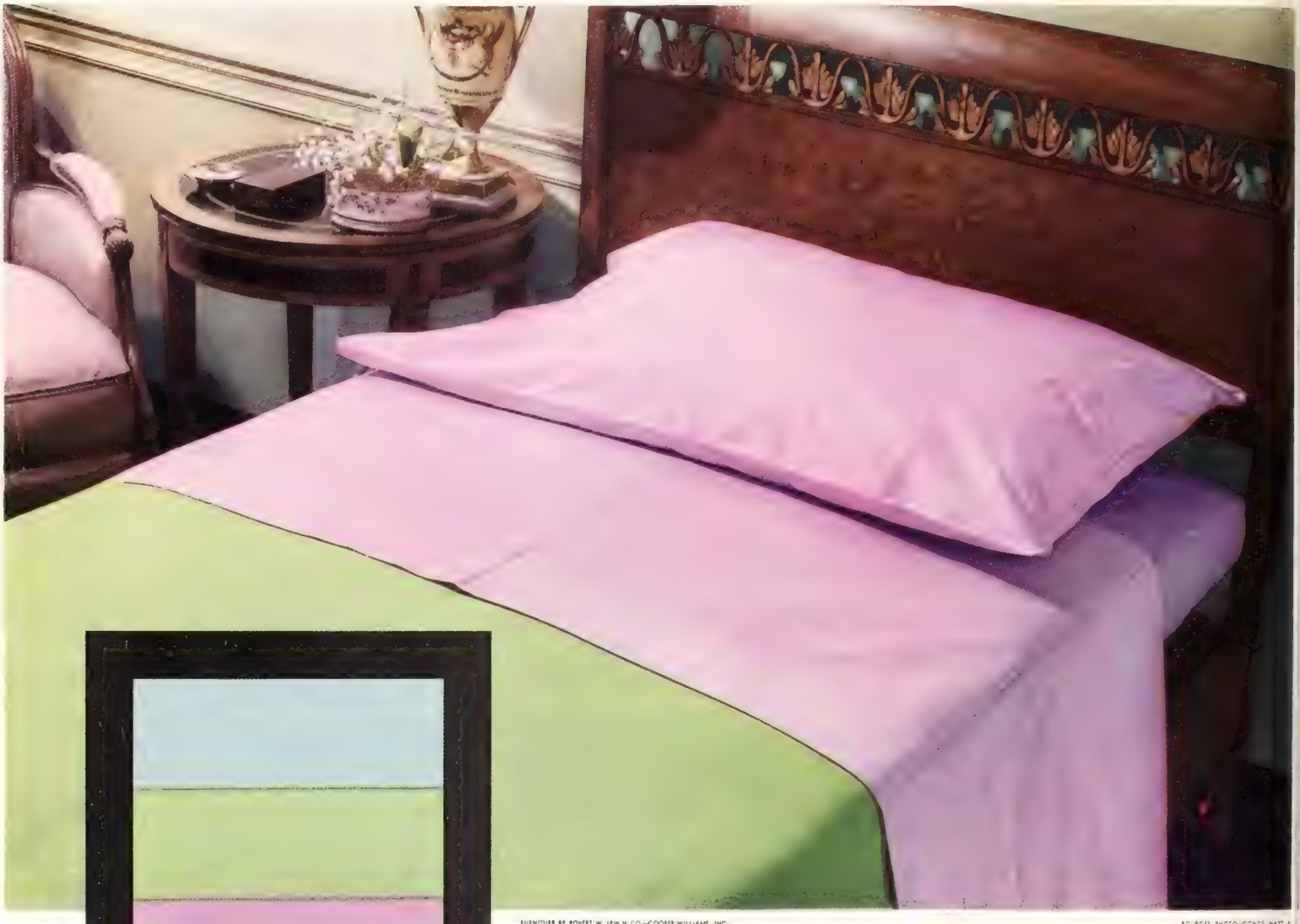
All prices f. o. b. Buffalo

THE lower picture, first published by Pierce-Arrow in 1928, portrays a car which sold for $7150—the very finest automobile of that day . . . The illustration above shows one of today's new Pierce-Arrow Twelves—the greatest fine car value of the present searching and sophisticated hour.

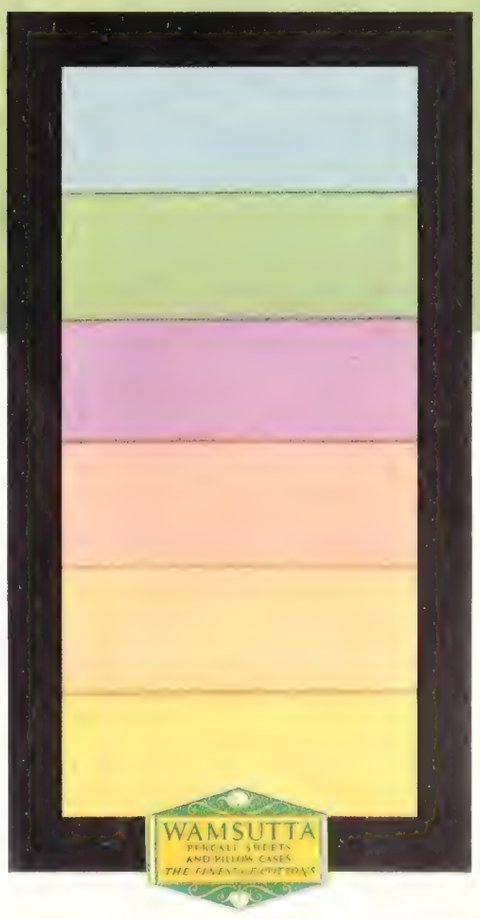
THE NEW TWELVES are priced, at Buffalo, from

$3295

HERE IS NEW BEAUTY FOR YOUR BEDS



FURNITURE BY ROBERT W. IRWIN CO.—COOPER-WILLIAMS, INC.



SHEETS . . . PILLOW CASES . . . AND BLANKETS IN HARMONIZING COLORS

Perhaps you have always thought of Wamsutta as just the most deliciously smooth and luxurious sheets and pillow cases, with their lighter weight and longer wear as added recommendations from the point of view of thrift.

Now think of them as part of the color scheme of your bedroom and see how beautifully you can combine them with the loveliest of blankets. All the newest pastel tints of Wamsutta Sheets and North Star Blankets have been chosen by the same stylist to harmonize in both matching and contrasting color combinations.

You will usually find Wamsutta Sheets and North Star Blankets in the same departments and an even wider range of shades than those shown on this page.

(Wamsutta Sheets, by the way, are selling at the lowest prices in fourteen years . . . in all styles of colored hems and solid colors as well as in plain white.)

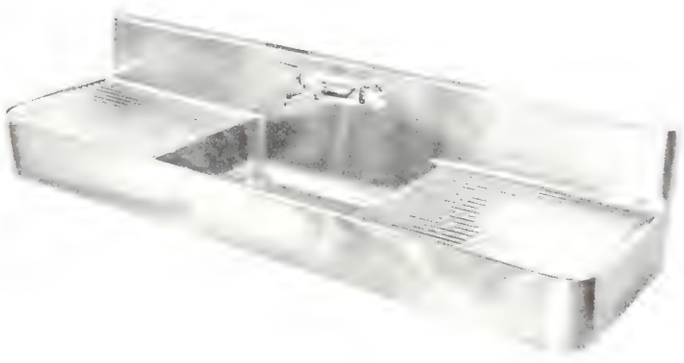
WAMSUTTA

PERCALE SHEETS AND PILLOW CASES

WAMSUTTA MILLS, NEW BEDFORD, MASS. • NEW YORK SALES OFFICE, 180 MADISON AV.



To a lady who never thought a sink could be beautiful



No one can really blame you for thinking that kitchen sink cannot...and need not...be beautiful. ut when you see this one of silvery Monel Metal, your former ideas of sink attractiveness will ir ntly undergo a quick and startling change.

For, here at last is a kitchen sink in which beauty akes a happy alliance with usefulness...an improved nk that will be at home in the finest kitchen... nk of platinum-like Monel Metal with a mellow h and lustrous beauty that is ageless.

The practicability of these sinks hasn't been over-oked. They have 31% more work surface... are und-deadened to subdue noise... their resilient rfaces help prevent injury to glass and china.

Perhaps you haven't heard the good news. Price Monel Metal Sinks have been reduced. Now, ore than ever, you will find they offer 1932 value 1932 budgets.

Your plumber will be glad to give you the new ces. In the meantime let us send you literature . mail the coupon. The International Nickel ompany, Inc., 73 Wall Street, New York, N. Y.

Monel Metal

The International Nickel Company, Inc.
73 Wall Street, New York, N. Y.

You may send me free booklets checked below.

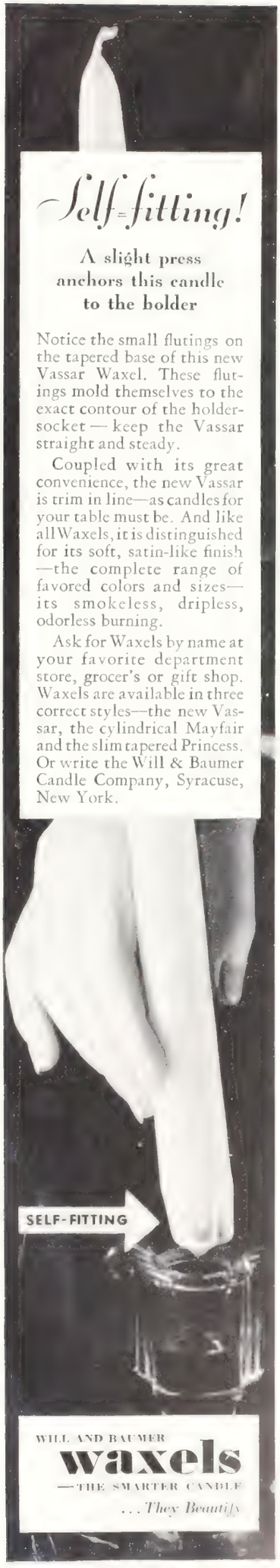
☐ A New Sink for the Kitchen Beautiful

☐ Nickel: Worth [illegible] Booklet [illegible] by Lloyd Gibbons

Name

Address

Plumber [illegible]



Self-fitting!

A slight press anchors this candle to the holder

Notice the small flutings on the tapered base of this new Vassar Waxel. These flutings mold themselves to the exact contour of the holder-socket — keep the Vassar straight and steady.

Coupled with its great convenience, the new Vassar is trim in line—as candles for your table must be. And like all Waxels, it is distinguished for its soft, satin-like finish —the complete range of favored colors and sizes— its smokeless, dripless, odorless burning.

Ask for Waxels by name at your favorite department store, grocer's or gift shop. Waxels are available in three correct styles—the new Vassar, the cylindrical Mayfair and the slim tapered Princess. Or write the Will & Baumer Candle Company, Syracuse, New York.

WILL AND BAUMER
waxels
—THE SMARTER CANDLE
... They Beautify

Meet the eleven tribes of Daffodil

(CONTINUED FROM PAGE 57)

English people could not grow the cluster-flowered kinds of the warmer and the Latin-speaking countries, and were not especially interested in them. But they loved the kinds with the long crowns or trumpets and gave to them the sweet, intimate names of Primrose Peerless and Affodylle (properly the Greek Asphodel). And later they called them Daffodils, and daffies and Daffadown-dillies. I confess the English name, Daffodil, comes easier to me than the Latin name Narcissus.

But the Jonquil is quite a different looking flower. Of course it is of the same big Narcissus family, but it has three easily distinguished characteristics. First, it has rounded rush-like leaves; second, the flower is of a deep, rich, buttery, golden-yellow color of heavy substance; and third, it has a very heavy, penetrating scent. Some Jonquils are single, some very double, and some grow many flowers on a stem. But these three characteristics are always present. Also, the pollen of the Jonquil is so potent that the type always leaves its distinct impress of quality and color on any variety with which it is crossed.

In the first four groups or classes given by the Royal Horticultural Society of London the yard-stick of measurement is the ratio of the length of the cup or crown to the petals or segments of the perianth, which is the whorl of six petals from which the crown protrudes. "Equal" and "one-third" are the only numbers you have to remember. If you have not a copy of Mr. John Wister's book *Bulbs for American Gardens*, or the Hugh Calvert book, *Daffodil Growing for Pleasure and Profit*, or Rev. Jacobs' lovely volume, *Daffodils*, you will wish to learn the names and characteristics of these eleven classes before you attend one of the Daffodil shows next spring.

DIVISION 1. Trumpet Daffodils; trumpet or crown as long or longer than perianth petal.

(a) Yellow or lemon colored trumpets and perianth same shade or lighter but not white.

(b) Varieties with white trumpet and white perianth.

(c) Bi-color varieties, having white or whitish perianth and a crown color yellow, lemon, primrose, etc. (now we have a few pinkish toned crowns).

DIVISION 2. Incomparabilis (most commercial men call them "Incomps"). Distinguishing characteristic: cup not less than one-third but less than equal to length of perianth.

(a) Yellow shades with or without red coloring in the cup.

(b) Bi-colors, with white perianths and self-yellow, red stained or red cups.

DIVISION 3. Barrii (after Peter Barr) cup or [illegible] than one-third the length of perianth segment.

(a) Yellow shades with or without red in the cup.

(b) Bi-color with white perianth, cup self-yellow, red stained or red.

DIVISION 4. Leedsii (after Edward Leeds); distinguishing characteristics, white perianth, and cup white, cream or pale citron, pink or apricot.

(a) Cup not less than one-third but less than equal to the length of perianth segment.

(b) Cup less than one-third the length of perianth segment.

DIVISION 5. Triandrus Hybrids; all varieties obviously containing *Narcissus triandrus* blood, such as Queen of Spain, Agnes Harvey, etc.

(a) Cup not less than one-third the perianth segment length.

(b) Cup less than one-third the length of perianth segment.

DIVISION 6. Cyclamineus Hybrids.

DIVISION 7. Jonquilla Hybrids; all varieties of Jonquilla parentage, such as Golden Sceptre, Buttercup, etc.

DIVISION 8. Tazetta and Tazetta Hybrids, including Polyanthus and Poetaz varieties.

DIVISION 9. Poeticus varieties such as Ornatus, Thelma, Ace of Diamonds, Dactyl, etc.

DIVISION 10. Double varieties such as Van Zion, Glory of Holland, Mary Copeland.

DIVISION 11. Various, including *bulbocodium, cyclamineus, triandrus, juncifolius, gracilis, jonquilla, serotinus* (blooms in October)—all miniature varieties; *Narcissus tazetta* (species), *viridiflorus*, etc.

Comparatively few of the last six classes are now in this country; in fact, we have probably not more than six hundred varieties as yet, while there are nearly five thousand varieties grown in England and on the Continent. But we have men and women who are collecting, propagating and hybridizing this wonderful flower and we will soon have the finest varieties in the world and then develop them and bring the Daffodil into its own in America.

This work, fortunately, is well under way. For the hardy types the climate and soil in parts of Oregon have proved eminently satisfactory and hundreds of acres are now intensively producing crops of bulbs.

Here, as last, seems to be the answer to the vexing Federal quarantine which for years has virtually excluded additional Narcissus bulbs of quality from American gardens. One of the best growers in the world—a man with long European experience prior to his taking up the work in this country—has stated his conviction that Oregon can produce better results with Narcissi than has been possible abroad. Let it be devoutly hoped that he is right!

THE GLASS OF FASHIO



CHEERIO

This cheerful Fostoria set will win a welcome in any home. It consists of a plump and benevolent decanter surrounded by its spring . . . 6 little glasses which reser their parent. In azure, green, rose, am topaz, and wistaria. Its use among con ial people adds so much to pleasant liv



APPETITES AND COLO

A buffet, to be cessful, must be n than a collectio various foods. It must also be a deligh the eye. That explains the tremen vogue of this large Fostoria buffet among women who are clever at entert ing. This graceful "Torte" plate come amber, crystal, green, rose, topaz and taria. Through its charming presence table, the simplest buffet can be ma delight to the eye . . . *and* so many t more appetizing.

HOW WILL YOU HAVE YOURS?



Cream? Sugar? . . . if it's after-dinner coffee. Cream? Sugar? Lemon? . . . if it's afternoon tea. For this colorful and grac Fostoria set is equally useful for either f tion. With coffee, the sugar bowl and cre pitcher may be used on the tray. With the tray becomes a charming dish for sl lemon. In five subtle shades, this set lovely and inexpensive gift to give a fr . . . or yourself.



BULL IN CHINA SHO

This picture sh Henry W. B III, the noted search engin For a whole month he played bul china-shop and smashed hundreds of d es, cups and saucers. As a result of tests, he announces that, "Fostoria G Dinnerware, in spite of its apparent cacy, is actually *far less breakable than many china.*" And that's worth knowin

To get the smartest and latest inspirations for table settings, both formal and informal, and for the entertaining hostess, "The Glass of Fashion" . . . Fostoria Glass Company, Dept. H, Moundsville, W. Va.

Fostoria

"That girl was a star at everything!"





Simply aim, press the lever . . . and you're making a movie

Take a Ciné-Kodak along

—keep a living record of your good times on board

HE was the one star that kept on shining all the way across. A winner at sports. A wonder at dancing. tal, dynamic, unforgettable . . .

Interesting people . . . gathered together for e brief interval of adventure. Brief . . . except you. Your Ciné-Kodak record of your good ies on board and abroad will thrill and use you for years.

Ciné-Kodak makes movies as simply as a Brownie makes snapshots. Just aim the camera—press a lever—and you're making a movie. Priced as low as $75.

Kodascope projectors now as low as $50. Many dealers offer easy terms. Eastman Kodak Company, Rochester, New York.

FREE — *All about Taking Movies at home and abroad.*

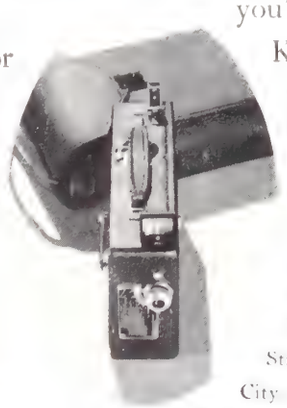
EASTMAN KODAK COMPANY, Rochester, New York

Send me FREE [illegible] about Taking Movies at home and abroad, and [illegible] own movies.

Name

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CINÉ-KODAK *Model M—Only $75 with case*

Into this compact little camera, Eastman has concentrated all the essentials of movie making. Equipped with *f*.3.5 lens and a special attachment for close-ups. No focusing. Loads with full 100 feet of 16 mm. film.

CINÉ-KODAK *Simplest of Home Movie Cameras*

THE GARDEN MART

BOOKS and PERIODICALS

THE GARDENERS' CHRONICLE is the magazine for those who like their gardening crisp & pithy & practical. We know you can apply its sound garden guidance. It keeps you in touch with the newest in gardening technics. In the current issue, Anderson McCully has written a splendid article on the selection of Cactus for your garden, and gives valuable hint on the habit and culture of this fantastic favorite. Subscribe now for further words at $2.00, or send 25c for a sample copy. Gardeners' Chronicle, 522 Fifth Avenue, New York City.

THE GARDENER'S FRIEND & OTHER PESTS by George S. Chappell & Ruth Hoyt. R. S. Lemmon, House & Garden calls it the best gardening book he's ever read. Illustrated. $2.00. Stokes Co. 443-4th Ave., N. Y.

BULBS

REGAL LILIES: Over 6 inches, circumference. 3 for $1.00. Thos. Nicodemus, Cedar, Iowa.

DAHLIAS

SPECIAL DAHLIA COLLECTION: [illegible] tion Dahlias, including Jane Cowl, Jersey Beacon, Earl Williams, Sagamore, Betty Beauty, Gold Medal, etc., only $2.00 prepaid. Regular value $6.00. Healthy tuberized roots. Quantity limited. Mail order and $1.00 deposit today, balance C.O.D. at planting time. Catalog free. Oakleigh Gardens, Dept. H.G., Grand Rapids, Mich.

DELPHINIUMS

PRIZE WINNING, proven leaders of America—new colors—3 times winners Gold Medal at New York. 2 yr. old field grown plants $11 dz. Catalog in colors on request. W. C. Duckham, Box H, Madison, N. J.

EMPLOYMENT

OUR SERVICE DEPARTMENT: On request, this organization will recommend to the owner of any country estate, men for the position of superintendent, gardeners, and assistant gardeners who are thoroughly qualified for the positions to be filled, both as to their technical training and general trustworthiness. No member is recommended until his record has been carefully investigated and found worthy of the association's endorsement. National Association of Gardeners, 522 Fifth Ave., N.Y.C.

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AMAWALK TREE FOOD is a perfectly balanced ration containing all the elements necessary for proper feeding of all woody plants. Its blend of strength and utility is the result of fifteen years of research by the largest big tree nursery in America. After an application, it continues to be a source of food supply all through the growing season. Descriptive folder on request. Amawalk Nurseries, Amawalk, New York.

TURN WASTE INTO WEALTH. Convert every bit of vegetable rubbish leaves, weeds, trimmings, etc. from the garden, straw and cornstalks from the farm into real mature (best of fertilizer) without animals by the simple Adco process. You owe it to yourself to know how to make artificial manure. Interesting booklet free. Adco, 1710 Ludlow St., Phila., Pa.

NATURE'S GREATEST FERTILIZER for Gardens. Hardwood Ashes. Geo. Stevens, Peterborough, Ont., Can.

GLADIOLUS

BETTY NUTHALL, the great prize winner gladiolus. Immense spikes of salmon pink flowers tinted flame and golden throat. Blooming bulbs $1.00 per dozen Postpaid anywhere. Gaillardia Supreme, new, 4 foot stalks, 4 inch flowers gorgeous red and gold, hardy, blooms all summer any soil, no irrigation. One year plants $1.00 per dozen $6.00 per 100 prepaid. Oakland Gardens, Walled Lake, Mich.

IRIS

SPLENDID IRIS ROOTS reduced for spring planting. 125 newer varieties, including all types, available. List sent. Kenwood Iris Gardens, R. R. 10, Cincinnati, O.

LANDSCAPE SERVICE

SPECIALIST in ROCK GARDENS & Outdoor living rooms. Write for particulars. Mae-Schmidt Nurseries, Inc., Allendale, New Jersey.

NUT TREES

QUICK WAY TO GROW NUT CROPS. Here's a remarkable new hobby. It will make money too. A Black Walnut orchard of Pedigrees (grafted trees) produces thin shells, huge kernels and a crop more valuable than [illegible] Send for illustrated booklet "Nut Crops the New Way." The Lowe Tree Guild Dept. 18, [illegible] Avenue, New York.

ORCHIDS

FULL GROWN PLANTS—Flowered and unflowered; unusually good subjects for the private conservatory—$3; $5; $7.50 and $10.00 each, botanical varieties and Cattleya Hybrids included. All plants are in strong, healthy condition. Orchid booklets and catalogue [illegible] Orchardale Inc., New Paltz, [illegible] New Rochelle, N.Y.

ORIENTAL POPPIES

VERY LARGE 2 year old plants, each with several Flowering Crowns. Grown from cuttings and guaranteed true to name. Perfection (lovely shell pink), Giant (immense bright red with flowers 9" across), Mrs. Perry (gorgeous giant salmon pink). 75c each; 3 for $2 prepaid. Hill Gardens, Kalamazoo, Mich.

PEONIES

PEONIES: Tree & Herbaceous, [illegible] Red Hot Poker, blooming plants $2.50 doz. postpaid. Oberlin Peony Gardens, Sinking Spring, Pa.

PERENNIALS

DELPHINIUMS of HOODACRES and other rare perennial plants. Largest Delphinium farm in America. Originator the double pure White Delphinium, large, magnificent. Seeds—Delphiniums and Aquilegias. Great spring offer on all. Chas. I. Barbee, Trout Dale, Oregon.

THE EXQUISITE NEW VIOLET "ROSINA". Lovely soft pink; hardy; very fragrant. Award of Commendation N. Y. Hort. Soc. 1931. Plants: 12 for $5; 100 for $35. Amy Hore, grower of hardy perennials. Green Brook Gardens, Scotch Plains, N. J.

CHOICE DAHLIAS, GLADIOLUS and Giant Flowering Delphiniums. Famous for quality. Low bargain prices. Descriptive price lists free. N. A. Miller, 458 E. 66th, Portland, Oregon.

PERENNIALS and ROCK PLANTS. Choice Lupine assorted colors $2.00 per dozen. Wisconsin Wild Flowers. Catalogues on request. Chequamegon Flower Gardens, Washburn, Wis.

VIOLETS, Native Orchids, Primulas, New and Rare Perennials. Write for catalog. Paramount Gardens, Plainfield, N. J.

PRIMROSES—HARDY HYBRIDS. Nevill Primrose Farm, Pewsey, Wiltshire.

ROCK GARDEN PLANTS

ROCK GARDEN PLANTS. Bulbs and Seeds 10 Hardy Plants, all different, labeled, $1.00—50 Large flowered Gladioli Bulbs, all colors $1.00. Catalogue free. Rose Side Gardens, Warwick, Pa.

ROSES

"SLEEPY HOLLOW DOZEN" of EVERBLOOMING Roses. Twelve lovely Roses, including the Pres. Herbert Hoover, and the Talisman, both immensely popular multi-color varieties, also the new E. G. Hill, one of the finest reds. Wide range of color; bouquets of fragrance. All strong 2-yr., field-grown plants. Purchased singly, would cost $10.40; priced in collection at $8.75, postpaid. Catalog Free. Rosedale Nurseries, Box D, Tarrytown, N. Y.

A LITTLE BOOK ABOUT ROSES. Free on request. This little book gives a lot of information it has taken a life time to discover . . . culture, pruning, waterings, diseases, insecticides, protection, and much more. Some of this information you can not secure from any other source. And Peterson roses show the effect of this knowledge. Let us send you your copy today. 25 cents to Pacific Coast States. George H. Peterson, Rose Specialist, 30 Paramus Road, Fair Lawn, N. J.

7 GUARANTEED ROSE BUSHES—$3.50 Prepaid. Regularly sell for $7.00. Choice of 16 varieties; Talisman, Mrs. Aaron Ward, etc. 2-year, field-grown plants, individually wrapped and tagged. Write for bargain catalog No. 101, describing this offer, and also Gleneo Mineral fertilizer, a marvelous plant food for flowers and lawns. Glendale Dist. Co. (Est. 1921) 7015 Cooper Ave., Brooklyn, N. Y.

12 TALISMAN ROSES, scarlet with old rose and gold, strong three year old plants, prepaid $5.00. Ivar Rosenlund, Church, Rome, N. Y.

SEEDS

RAREST BULB SEEDS. Unusual Lily & Flowering Bulb seeds from odd corners of the world; the "hard to find" varieties. Write Dept. H for interesting catalog. Rex D. Pearce, Merchantville, N. J.

RARE ALPINE, PERENNIAL, & Annual Seeds including many choice new introductions. Ralph E. Huntington Nursery, Painesville, Ohio.

TOOLS

GARDEN TOOLS of exceptional merit. 96-page catalog free. A. M. Leonard & Son, Piqua, Ohio.

TREES & SHRUBS

1 NEW THOMSEN BLUE SPRUCE $2.50. Our own new marvelous introduction this year. Never offered before. Bluest color ever seen in Blue Spruce is our guaranty. Supply limited. Order now while they last. 1-6 in. plants 2-$2.95 1 New Jap Hardy Magnolia Soulangeana 6-12 in. $1.25 3 Hardy Beauty Bush (Kolkwitzia) pink 1-1½ ft. $1.50 2 New Japan Bloodleaved Barberry 1-1½ ft. $1.50 2 New Hardy Improved Butterfly Bush 1½ ft. $1.50 12 Hardy Rock Garden Plants. Best variety $1.20 Add 20 cents for postage and packing. Free Catalogue. Thomsen Nursery, Maywood, N. J.

FLOWERING TREES. Japanese Flowering Cherries, Flowering Crabs, Chinese Magnolias and a complete line of U. S. Government Inspected and Certified Nursery Stock. "Plant a Tree for Washington's Bicentennial." Write for prices. A. E. Wohlert, 921 Montgomery Ave., Narberth, Pa.

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HARDY NORTHERN GROWN EVERGREENS. Hardy Northern grown Rock Garden Plants. Hardy Northern grown Outdoor Ferns. [illegible] Evergreen Nursery Co., Minneapolis, Minn.

RHODODENDRON, Kalmia, Hemlock, Holly. Cedar, Leucothoe, Azaleas and Flowering Dogwood. Write for price list. J. F. Norris, Doeville, Tenn.

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WATER LILIES

WATERLILIES FROM POTS GROW BETTER. Planted [illegible] Water Lily Farm, Box 1551, Lincoln Park, Mich.

House & Garden's Gardening Guide

(CONTINUED FROM PAGE 71)

DECIDUOUS TREES (For Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Elm (*Ulmus*)	100'-125'	Thrives even in the lower South; in addition to the American Elm, *Pumila* and *Alata* may be used.
Oak (*Quercus*)	75'-100'	Laurel Oak (*Laurifolia*), Willow Oak (*phellos*), and Live Oak (*virginiana*) especially good.
Plane (*Platanus*)	80'-100'	Unsurpassed for street planting and for large shade tree
Varnish Tree (*Koelreuteria*)	25'-35'	The popular "Golden-rain" tree; yellow flowers in August and September; resists drought; moderately long lived.
Nyssa (*Tupelo*)	40'-60'	Picturesque growth; fine fall color; moist soil.
Paulownia	35'-45'	Very large leaves; rounded spreading head; trumpet like fragrant purple flowers, May-June.
Eucalyptus	100'-150'	Splendid, especially in lower South; many varieties rapid growing; long lived; evergreen in milder sections
Magnolia, Pink	15'-20'	The Saucer Magnolia; tender; prefers southern exposure splendid lawn specimen.
Albizzia Mimosa, Silk Tree)	25'-30'	Fern-like foliage like Acacias; pink fragrant flowers hardy to southern New Jersey; fast grower.
Chinaberry (*Melia azedarach*)	30'-40'	Rounded top; dense shade; panicles of lavender flowers yellow berries; very rapid growing; not long lived.

EVERGREENS (Southeast and Gulf States)

Pine (*Pinus*)	40'-100'	Numerous Southern species, some in dry sandy soil others in swamp land. Long leaf (*palustris*) and Loblolly (native "Yellow") Pine do well under many conditions.
Araucaria	35'-80'	Tropical looking but fairly hardy; variety Excelsa graceful
Cedar (*Cedrus*)	100'-125'	Tall graceful pyramids, musical tone-like foliage; Atlas is hardiest, Deodar fine; Cedar of Lebanon needs deep good drainage; sheltered position.
Cephalotaxus (Plum-Yew)	8'-30'	Hardy to Washington, in sheltered positions to Philadelphia; habit similar to Irish Yew.
Cryptomeria	30'-50'	Very Japanese in habit; dense rich green foliage, bronze in winter.
Juniper (*Juniperus*)	3'-40'	Northern Redcedar is native to Florida, also Southern type. *J. lucayana*; innumerable horticultural forms; foundation and group planting. D.
Yew (*Taxus*)	3'-40'	Many species and varieties, including native *T. floridana*; hedges, foundations, groups. S.
Torreya	40'-60'	Handsome, Yew-like foliage; shiny green foliage, dense growth, *taxifolia* in Southeast, *Californica* in Southwest.
Bald Cypress (*Taxodium distichum*)	50'-75'	Deciduous evergreen, narrow upright growth, drooping fern-like foliage; native of swamps but thrives on dry soils.
Live Oak (*Quercus sempervirens*)	40'-60'	Wide spreading branches, forming tent of dense shade; slow growth, long lived.
Holly (*Ilex*)	30'-40'	Splendid small tree for landscape planting; native and exotic varieties thrive; individual specimens; hedges; mixed planting.
Magnolia grandiflora	40'	Typical tree of the South, producing heavy shade; street planting, individual specimens; deciduous toward northern limits.
Acacia	10'-50'	Beautiful Fern-like foliage; yellow, lemon, or cream blossoms; evergreen in mild climates; graceful and charming

EVERGREENS SHRUBS (Southeast and Gulf States)

Abelia grandiflora (Glossy Abelia)	5'-6'	Charming, easily grown; foundation planting, border, individual specimen; tiny Arbutus-like flowers, most summer to frost; deciduous toward northern limit; hardy to southern New Jersey.
Coral Ardesia (*A. crenulata*)	5'-6'	Decorative foliage, coral red berries; quite tender; love South and Gulf. S.
Aucuba japonica (Gold-dust Plant)	6'-10'	Spreading, shrubby; broad green leaves spotted gold; hardy to southern New Jersey. S.
Azalea	5'-10'	Wide variety; most prefer sun, some in partial shade. Indica especially fine; acid soil; summer mulch. S.
Camellia japonica	10'-20'	Small tree, shiny evergreen foliage, gorgeous blossoms in early spring, fairly moist soil, sheltered, tolerates partial shade.
Cestrum	8'-12'	Spreading, with climbing tendency; fast growing, slender needs support; tender; lower South; Nocternum night fragrance.
Cotoneaster	2'-6'	Excellent for foliage, flowers and berries; many hardy deciduous sorts are evergreen here. D. R.
Privet (*Ligustrum*)	10'-20'	Several glossy leaved evergreen varieties, such as Ludwum, hedges, mixed borders, foundations; extremely satisfactory. S.
Laurus nobilis	3'-6'	For low growing hedges; continuous bloom; foundation planting, mixed shrubbery border.
Nerium Oleander	12'-15'	Slender, upright shrub, clusters of single or double pink flowers; fragrant; some shade; specimens, or shrubbery border; requires pruning. D.
Pittosporum	6'-20'	Large shrub or small tree; good proportions and foliage white fragrant flowers; especially near coast.
Nandina domestica (Heavenly Bamboo)	6'-8'	Dense, shrubby; Fern-like foliage, bronze in winter unusual, easy, satisfactory; hardy to southern New Jersey. S.

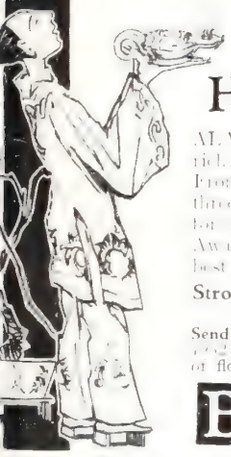
DECIDUOUS SHRUBS (Southeast and Gulf States)

Crape Myrtle (*Lagerstroemia*)	8'-25'	JUNE-AUG. Broad, rounded, spreading; cut back for water freely for second blossoming; especially good Gulf States.
Hibiscus, Chinese (*H. mac[illegible]*)	8'-25'	MAY-DEC. Tender branching shrub, excellent hedge individual specimen; small tree in sub-tropics; Maple like leaves, very large flowers all season.
Jasmine (*Jasminum*)	3'-10'	MAR.-NOV. Many varieties; mostly fragrant; some climbers; foundation plantings; porch, pillars, mixed border.
Coral Bean (*Erythrina*)	2'-3'	MAY-AUG. Small shrub, long sprays of Pea-like blossom red berries; very decorative.
Pomegranate (*Punica*)	3'-10'	APR.-SEPT. Showy orange-scarlet flowers; exceptional ornamental fruit; dwarf form excellent low hedge; grow pot or tub plant for porch, *granatum* hardy to Washington, D. C.
Tamarix	10'-20'	MAR.-OCT. Shrub or small tree; willowy branches feathery foliage, delicate sprays of pink bloom; variety for succession; back of border; hedges; stands salt wind D. S.
Southern Crab (*Malus [pyrus] angustifolia*)	10'-20'	APR.-MAY. Beautiful native shrub, fragrant pink blossom in early spring; easy; shrubbery border; specimens.
Chaste-Tree (*Vitex*)	15'-20'	JULY-SEPT. Bushy, upright; panicles of lavender flowers new variety, *Macrophyla*; fine for late bloom. *Also shrubs from Northeast and Northwest*

(Continued on page 94)

ALADDIN ALADDIN ALADDIN





A New, Extra-Early Hardy Chrysanthemum

ALADDIN gleams like burnished copper and gold. As rich in color as the tapestries of an Emperor's palace. From early August to late November, long stems carry three, four, and even five large, glorious blooms. Superb for decoration, lasting 10 days or more after cutting. Awarded gold medals and certificates of merit as the best Hardy Chrysanthemum of recent years.

Strong plants, 3 in. pots, $1 ea., $9 for 10, $80 per 100
6 plants at 10 rate, 25 at 100 rate

Send your order today to our Mr. J. M. Alle, and receive our 1932 Catalogue with superb color picture of Aladdin, with list of flower and vegetable seeds, plants and garden supplies.

BRECK'S 85 State Street BOSTON, MASS.

ROSES

NEW Roses and rare Roses, originated in America, in England, in France, and Australia, are now grown in quantity by the producers of the "world's choicest nursery products."

In this group are Hybrid Teas of marvelous colors—golden yellow, vermillion, scarlet, silvery pink, cherry-red, and copper-orange. Here, too, are Climbing Roses, brilliant in color and most desirable in habit.

In addition to these new Roses, there are many worthy and popular varieties, indispensable in every garden of Roses. All these Roses—new or old—are modestly priced.

Here we mention a few of the new Roses that have been introduced in America recently.

Hybrid Teas

Autumn. Bright Yellow.
Helen Fox. Golden yellow.
Mrs. Sam McGredy. Red.
Olympiad. Blood red.
President Deville. Red.
Mrs. Beatty. Soft yellow.
Roslyn. Golden yellow.

Climbers

Henry Linger. Yellow.
Royal Scarlet. Hybrid.

Hybrid Rugosas

Dr. Eckener. Pink, suffused gold.

Polyanthas

Johanna Tantau. Rosy white.



ROSES
by
Bobbink & Atkins

is more than a catalog—it is a text-book on the best Roses for modern gardens. Nearly a thousand varieties of Roses are listed; their merits and demerits are freely discussed; all varieties are classified and arranged to make selection and ordering easy. A copy will be mailed free on request to those who intend to plant Roses.

(A charge of 50 cts. must be made for catalogs sent west of the Rocky Mountains.)

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Residence of Mr. W. J. Gallery, Parkersburg, W. Va.

CHINESE (or SIBERIAN) ELM *The fastest growing tree we know!*

The picture tells the story

Compare the American Elm at right, 7 feet in crotch planted [illegible] with the two Chinese Elms at left, only [illegible] planted in Feb., Photo taken [illegible] A row of beautiful matured shade trees in six short years.

For Street Planting, Wind Breaks, Screens or Individual Lawn Trees

These are two strains of Chinese Elm. Our stock is genuine North China Strain, [illegible] seed, as introduced by the U. S. Department of Agriculture.

Very hardy, it thrives in any climate from bleak Saskatchewan to torrid Arizona. It leaves out early in Spring and remains in leaf [illegible] and very adaptable to shaping or clipping. On all points [illegible] most valuable trees ever introduced into America.

Complete description of these true Chinese Elms that grow 7 feet in 6 years, [illegible] with hundreds of other choice fruit and ornamental trees, flowering shrubs, plants, [illegible] greens, perennials, etc. with illustrations in color are in our **1932 Catalogue—Mailed free on request.** Write for it to

GLEN BROS., INC. 1763 Main Street
Glenwood Nursery (Est. 1866) Rochester, N. Y.
"We furnish the home—OUT DOORS"

Have you had "bad luck" with Grass Seed?

How much care did you use in buying it? A lot of grass seed, you know, contains a high percentage of worthless chaff and cheap annuals, such as Timothy, and is dear at any price. Dreer's fine, recleaned, new crop grass seed is free of these and produces smooth, velvety green lawns.

See Pages 6 and 7 of Dreer's 1932 Garden Book for descriptions of the varieties and advice on how to get the best results with them. This authoritative work will be sent free on request to those interested in grass seed, vegetable and flower seeds, roses, perennial plants, etc.

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Dept. K 1306 Spring Garden Street
PHILADELPHIA, PA.

DREER'S



New . . .

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Guarantees Beautiful Blooms



AFTER years of research and experimentation at our nurseries, we have developed a patented method of packing rose bushes and shrubs so that they reach you in prime, guaranteed-to-succeed condition. This is not an assertion—it is a guarantee!

A Fertil-potted plant—that's what you ask for—is mature and growing when you buy it. The roots come packed in rich "food." All you do is slip off the carton, soak the root block in water, dig a hole, and plant it. You don't have to prune, and you needn't know a thing about fertilizers. In a few days, the leaves begin to grow. In a few weeks you have your roses—a mass of exquisite blooms that leaves the neighbors nonplussed!—These are truly privileged plants.

++ ++ ++

How Nature Gardens at the Fertil-potted Plant. As stated, the new system consists of enclosing the roots of the shrub within the dimensions of a block of wet, fertilized peatmoss by means of heavy mechanical pressure which reduces the peat to much less than its normal bulk. As a result, all air is excluded, every bit of root is perfectly protected, and enough moisture is assured to supply the needs of the stock for a surprisingly long time. Every hazard attendant upon ordinary planting is avoided. In action [illegible]

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Be sure to get Fertil-potted plants this spring. Identify the package from the picture above. A comprehensive list of varieties—among them the newer Hybrid Tea Roses, Climbing Roses and choice flowering shrubs—will be on sale early in March in the leading department stores, nurseries, florists, seed stores and hardware stores. *You'll be surprised at the prices.* If your dealer does not have a stock, send us his name.

ARCADIA ROSE COMPANY
Newark, New York
Successors to Jackson & Perkins Co.

WEDGE NURSERY, INC.
Albert Lea
Minnesota

Fertil-potted
ROSES
GUARANTEED TO BLOOM

House & Garden's Gardening Guide

(CONTINUED FROM PAGE 92)

VINES (Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Coral Vine (*Antigonon*)	25'-35'	Clinging tendrils. Tender; bulbous root; one of the bes for lower South and California; continuous bloom gra ful, delicate; porches; trellises; tender to frost but start again. S.
Jasmine (*Jasminum*)	8'-12'	Semi-climbing shrubs. Several varieties, winter or ea spring flowering. S.
Carolina Jessmine (*Gelsemium sempervirens*)	20'-30'	Twining. Native; small fragrant yellow flowers in Ja nary or February; evergreen; baskets, trellises, verand easily transplanted.
Bougainvillea	20'-40'	Paper-like, long lasting crimson flowers, April to Novem ber; summer houses or other high supports; if injured by frost cut back. Crimson Lake best variety. D.
Catsclaw Trumpet (*Bignonia unguis-cati*)	20'-30'	Claw-like tendrils. Evergreen Bignonia with pointed leaves withstands slight frost; pergola, summerhouses.
Allamanda (*A. hendersoni*)	25'-35'	Twining. Quantities of beautiful deep clear yellow blossoms; long season; long, narrow shining leaves.
Lantana (*L. sellowiana*)	6'-8'	Semi-climbing, trailing. Semi-climber, on trellis or othe support; banks or walls; heads of small lavender flowers
Plumbago capensis		Semi-climbing, trailing. Continuous bloomer, attractiv blue flowers; ground or bank cover or low trellis.
Cup-of-Gold Flower (*Solandra guttata*)	15'-25'	Twining. Gorgeous blossoms, deep ochre yellow; broa leathery leaves; vigorous; porch; house-wall, tree, pergola
Climbing Fig (*Ficus humila*)	10'-15'	Clinging. Small shining heart-shaped leaves; delicat tracery over mason work or solid cover. D.
Asparagus (*A. plumosus*)	10'-30'	Twining. Thin wiry stems, Fern-like foliage; beautifu vine, and splendid for use with cut flowers. S. *Also practically all suggested for Northeast and Northwe*

PERENNIALS AND ANNUALS (Southeast)

NOTE: The same perennials and annuals used in the more northern States are available for the South. The culture is somewhat altered by climatic conditions. Many of the hardy annuals become perennials. These and many of the true annuals may be planted in late fall—October-December, instead of in the spring as in the North.

Many of the perennials, on the other hand, are best treated as annuals. Some of them do not thrive where they can not have the long period of rest accorded by northern winters. Started early they will flower satisfactorily the first season.

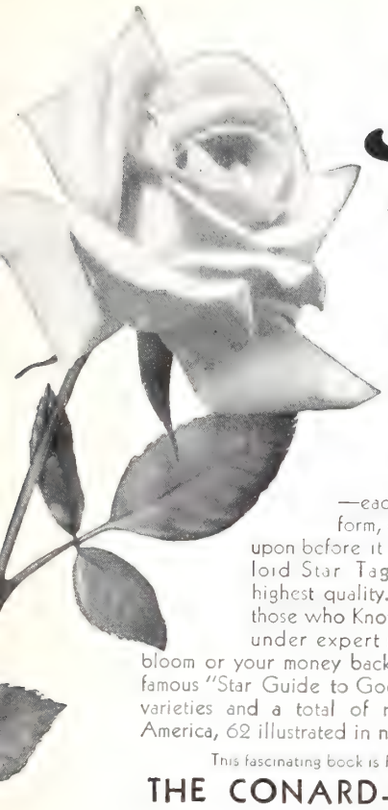
DECIDUOUS TREES (For the Southwest)

NAME	HEIGHT	CHARACTER AND USE
Elm (*Ulmus*)	50'-100'	Stands considerable drought; English remains green longest; Chinese Elm does well; *parvifolia* is evergreen in South. D.
Birch (*Betula*)	40'-60'	Excellent; European and Canoe species do well.
Ginkgo	50'-75'	Irregular spreading branches; good shade; good col throughout season.
Liquidambar (Sweet Gum)	50'-75'	Pyramidal; Maple-like foliage; good substitute for Maple
Poplar (*Populus*)	50'-100'	Very fast growing for shade and temporary use. Balm Gilead much more permanent; Carolina Poplar t Arizona and alkaline soils. D.
Arizona Ash (*Fraxinus velutina*)	25'-30'	Extremely rapid grower, doing well in alkaline soils an drought; also near coast. D.
Cottonwood	50'-75'	Thornbur variety for Arizona and inland; extremel fast grower; excellent shade. D.
Pagoda Tree (*Sophora japonica*)	50'-60'	Large, spreading, graceful light green foliage droopi white flowers; easily grown; any soil, excellent shad
Mulberry (*Morus*)	15'-30'	Several varieties, including Silk Worm Mulberry (*mu ticaulis*); Kingan has less fruit but is best for Arizona an inland. D.
Coral Tree (*Erythrina crista-galli*)	15'-30'	Small tree usually about 15'; *E. humeana* considerably taller; corky bark; crimson or scarlet butterfly-lik flowers; unusual garden [illegible]

EVERGREENS (Southwest)

Coniferous Sequoia	50'-100'	Redwood and Big Tree do quite well; beautiful even whe young; avenue and roadside, individual specimens for large grounds.
Cedars (*Cedrus*)	75'-100'	Many varieties; Deodar successful over wide range; vigorous grower, dignified but graceful.
Incense Cedar of Cal. (*Libocedrus decurrens*)	30'-50'	Beautiful and satisfactory evergreen; branches in whorls hardier than Arancaria.
Cunninghamia (Chinese Fir)	40'-50'	Narrow pyramidal, bluish green foliage; good for inlan where some others will not thrive. D.
Arizona Cypress (*Cupressus arizonica*)	30'-40'	Tall, narrow, dense column; deep green; best in norther California; also dwarf form 6' to 8'.
Montezuma Cypress (*Taxodium mucronatum*)	50'-60'	Beautiful, somewhat similar to Redwood but more spread ing and graceful; finely cut aromatic foliage.
Pine (*Pinus*)	40'-60'	A number of native and exotic species do well unde southern Cal. conditions; especially Monterey Pin (*P. radiata*); dense growth, light green; Torey Pine Japaneseque, thrives near coast.
Fern Pine (*Podocarpus elongatus*)	12'-15'	Unusual bushy evergreen, light green, finely cut Fern like foliage; easy, wide range. S.
Broad-Leaved Eucalyptus	25'-125'	Fine and satisfactory tree; completely naturalized; wid range of form; individual specimens; tall screen; natural istic planting.
Camphor Tree (*Camphora*)	75'-100'	Big but slow growing, uniform shape; dense bright gree glossy foliage with spring coloring; street parkings an lawn specimens.
Pepper Tree (*Schinus*)	40'-50'	Spreading rounded head; drooping branches, beautifu foliage; pendant clusters of rose-colored berries; stree parkings; lawn specimens; landscape groups. D.
California Live Oak (*Quercus agrifolia*)	40'-50'	Native, picturesque, dense spreading; sharply indente leaves; rapid grower, beautiful at all stages; good fo shade; also smaller species, Canyon Oak; good law specimen in dry locations.

(*Continued on page 96*)



5 New Star Roses

★ Editor McFarland H. T.
★ Thomas A. Edison H. T.
★ Grenoble H. T.
★ National Flower Guild H.T.
★ Leonard Barron H. T.

—each one having that perfection of form, color and fragrance that we insist upon before it is labeled with the familiar celluloid Star Tag which is your assurance of highest quality. Star★ Roses are the "Choice of those who Know", because they are field grown under expert supervision and guaranteed to bloom or your money back . . . The 1932 edition of the famous "Star Guide to Good Roses" shows seventeen new varieties and a total of nearly 200 of the best roses for America, 62 illustrated in natural color.

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STAR ROSES
GUARANTEED TO BLOOM



Gardens where lilies bloom never lose their charm

These "aristocrats of the garden" give that distinction so much sought in the perennial garden. Our nearly forty years' experience in the growing of Hardy Lilies ensures your success. Five pages of our 1932 Garden Book are devoted to Hardy Lilies and we give a special three-page sheet of cultural directions with each order. Here is a selection of

Lilies suitable for Spring planting

that will produce flowers from June until Autumn:

COMPLETE COLLECTION $14. (54 Bulbs, Six of each)
HALF COLLECTION (27 Bulbs, Three of each) $7.50

(Actual value if purchased separately $18.25)

EARLY	MEDIUM	LATER FLOWERING
L. hansoni —Orange	*L. regale* —Pink and White	*L. batemanniae* —Apricot
L. elegans —Red	*L. longiflorum* —White	*L. auratum* —Gold-banded
L. croceum —Buff	*L. superbum* —Orange-yellow	*L. speciosum* Pink

OUR Garden Book abounds with many similar offers of Ferns and Wild-flowers, besides a large assortment of the choicest Hardy Perennials. Now is the time to order for Spring planting. Send for our Garden Book. It is FREE. Let it aid you in your selection.

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But is it right for YOUR garden?

Will the colors of that new flower you have in mind harmonize with those of its neighbors? Would the newcomer flourish in such a sunny (or shady) spot? Is your soil too light—or heavy—to produce good results?

Dreer's Garden Book (Pages 49 to 207) answers such questions and many others in connection with a thousand plants and flowers. That is why it is known as the one completely authoritative work of its kind. Yet it is sent free on request to those interested in vegetable and flower seeds, roses, perennial plants, etc.

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Dept. K 1306 Spring Garden Street
PHILADELPHIA, PA.

DREER'S

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the scientifically prepared
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++ ++ ++

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++ ++ ++

Be sure to get Fertil-potted plants this spring. Identify the package from the picture above. A comprehensive list of varieties—among them the newer Hybrid Tea Roses, Climbing Roses and choice flowering shrubs—will be on sale early in March in the leading department stores, nurseries, florists, seed stores and hardware stores. *You'll be surprised at the prices.* If your dealer does not have a stock, send us his name.

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Minnesota

Fertil-potted
ROSES
GUARANTEED TO BLOOM

House & Garden's Gardening Guide

(CONTINUED FROM PAGE 92)

VINES (Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Coral Vine (*Antigonon*)	25'-35'	Clinging tendrils. Tender bulbous root, one of the 5 for lower South and California; continuous bloom; graceful, delicate; porches; trellises; tender to frost but starts again. S.
Jasmine (*Jasminum*)	8'-12'	Semi-climbing shrubs. Several varieties; winter or early spring flowering. S.
Carolina Jessmine (*Gelsemium sempervirens*)	20'-30'	Twining. Native; small fragrant yellow flowers in January or February; evergreen; thickets; trellises, verandas easily transplanted.
Bougainvillea	20'-40'	Paper-like, long lasting crimson flowers, April to November; summer houses or other high supports; if injured by frost cut back. Crimson Lake best variety. D.
Catsclaw Trumpet (*Bignonia tweediana*)	20'-30'	Claw-like tendrils. Evergreen Bignonia with pointed leaves withstands slight frost; pergola, summerhouses.
Allamanda (*A. hendersoni*)	25'-35'	Twining. Quantities of beautiful deep clear yellow blossoms; long season; long, narrow shining leaves.
Lantana (*L. sellowiana*)	6'-8'	Semi-climbing, trailing. Semi-climber, on trellis or other support; banks or walls; heads of small lavender flowers.
Plumbago capensis		Semi-climbing, trailing. Continuous bloomer, attractive blue flowers; ground or bank cover or low trellis.
Cup-of-Gold Flower (*Solanda guttata*)	15'-25'	Twining. Gorgeous blossoms, deep ochre yellow; broad leathery leaves; vigorous; porch; house-wall, tree, pergola.
Climbing Fig (*Ficus humila*)	10'-15'	Clinging. Small shining heart-shaped leaves; delicate tracery over mason work or solid cover. D.
Asparagus (*A. plumosus*)	10'-30'	Twining. Thin wiry stems, Fern-like foliage; beautiful vine, and splendid for use with cut flowers. S. *Also practically all vines listed for Southwest and Northeast.*

PERENNIALS AND ANNUALS (Southeast)

NOTE: The same perennials and annuals used in the more northern States are available for the South. The culture is somewhat altered by climatic conditions. Many of the hardy annuals become perennials. These and many of the true annuals may be planted in late fall—October-December, instead of in the spring as in the North.

Many of the perennials, on the other hand, are best treated as annuals. Some of them do not thrive where they can not have the long period of rest accorded by northern winters. Started early they will flower satisfactorily the first season.

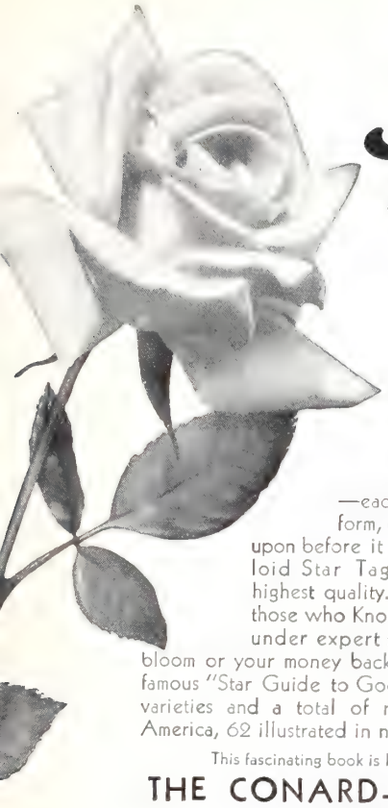
DECIDUOUS TREES (For the Southwest)

NAME	HEIGHT	CHARACTER AND USE
Elm (*Ulmus*)	50'-100'	Stands considerable drought. English remains green longest. Chinese Elm does well. *Parvifolia* is evergreen in South. D.
Birch (*Betula*)	40'-60'	Excellent. European and Canoe species do well.
Ginkgo	50'-75'	Irregular spreading branches, good shade, good color throughout season.
Liquidambar (Sweet Gum)	50'-75'	Pyramidal; Maple-like foliage; good substitute for Maple
Poplar (*Populus*)	50'-100'	Very fast growing for shade and temporary use. Balm of Gilead much more permanent; Carolina Poplar to Arizona and alkaline soils. D.
Arizona Ash (*Fraxinus velutina*)	25'-30'	Extremely rapid grower, doing well in alkaline soils and drought; also near coast. D.
Cottonwood	50'-75'	Thornbur variety for Arizona and inland; extremely fast grower, excellent shade. D.
Pagoda Tree (*Sophora japonica*)	50'-60'	Large, spreading, graceful light green foliage, drooping white flowers; easily grown; any soil, excellent shade
Mulberry (*Morus*)	15'-30'	Several varieties, including Silk Worm Mulberry (*multicaulis*); Kingan has less fruit but is best for Arizona and inland. D.
Coral Tree (*Erythrina Arizonica*)	15'-30'	Small tree usually about 15'; *E. humeana* considerably taller; corky bark; crimson or scarlet butterfly-like flowers; unusual and beautiful.

EVERGREENS (Southwest)

Coniferous Sequoia	50'-100'	Redwood and Big Tree do quite well; beautiful even when young; avenue and roadside, individual specimens for large grounds.
Cedars (*Cedrus*)	75'-100'	Many varieties; Deodar successful over wide range, vigorous grower, dignified but graceful.
Incense Cedar of Cal. (*Libocedrus decurrens*)	30'-50'	Beautiful and satisfactory evergreen; branches in whorls, hardier than Arancaria.
Cunninghamia (Chinese Fir)	40'-50'	Narrow pyramidal, bluish green foliage; good for inland where some others will not thrive. D.
Arizona Cypress (*Cupressus arizonica*)	30'-40'	Tall, narrow, dense column; deep green; best in northern California; also dwarf form 6' to 8'.
Montezuma Cypress (*Taxodium mucronatum*)	50'-60'	Beautiful, somewhat similar to Redwood but more spreading and graceful; finely cut aromatic foliage.
Pine (*Pinus*)	40'-60'	A number of native and exotic species do well under southern Cal. conditions; especially Monterey Pine (*P. radiata*); dense growth, light green; Torey Pine Japaneseque, thrives near coast.
Fern Pine (*Podocarpus elongatus*)	12'-15'	Unusual bushy evergreen, light green, finely cut Fern-like foliage, easy, wide range. S.
Broad-Leaved Eucalyptus	25'-125'	Fine and satisfactory tree; completely naturalized; wide range of form; individual specimens; tall screen; naturalistic planting.
Camphor Tree (*Camphora*)	75'-100'	Big but slow growing, uniform shape; dense bright green glossy foliage with spring coloring; street parkings and lawn specimens.
Pepper Tree (*Schinus*)	40'-50'	Spreading rounded head; drooping branches, beautiful foliage; pendant clusters of rose-colored berries; street parkings; lawn specimens; landscape groups. D.
California Live Oak (*Quercus agrifolia*)	40'-50'	Native, picturesque, dense spreading; sharply indented leaves; rapid grower, beautiful at all stages; good for shade; also smaller species, Canyon Oak; good lawn specimen in dry locations.

(Continued on page 96)



5 New Star Roses

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L. elegans —Red	*L. longiflorum* —White	*L. auratum* —Gold-banded
L. croceum —Buff	*L. superbum* —Orange-yellow	*L. speciosum* —Pink

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Dept. K 1306 Spring Garden Street
PHILADELPHIA, PA.

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just see how Lōma makes grass

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House & Garden's Gardening Guide

(CONTINUED FROM PAGE 94)

EVERGREENS (Southwest)

NAME	HEIGHT	CHARACTER AND USE
She-Oak [illegible]	30'-100'	General appearance somewhat like Pine; excellent in unfavorable locations, withstanding heat, cold, dry weather, alkaline soil; street. D.
Silk Oak (*Grevillea robusta*)	75'-100'	Graceful tree, with very beautiful Fern-like foliage; peculiar yellow flowers 6' long; fast grower, good lawn specimen; drought resistant. D.
Cork [illegible]	35'-40'	Symmetrical form; dense glossy foliage the year round; deep rooted; long lived; street planting; individual specimens. D.
Flame Tree (Bottle Tree, [illegible])	40'-50'	Maple-like evergreen leaves, stunning background for the red cup-shaped blossoms on scarlet stems; unusual decorative tree.
Athel Tree [illegible]	25'-30'	An evergreen Tamarix, typical slender growth; gray green foliage; hedge, screen, and specimen for hot, dry sections. D.
Jacaranda	25'-30'	Handsome flowering tree, symmetrical growth, fanlike foliage; clusters of light blue flowers in spring; decorative; will not stand much below freezing.
Parkinsonia (Palo Verde) Jerusalem Thorn)	12'-15'	Showy tree, unusual form, drooping, feathery, reedlike branches; bright yellow flowers; early summer; excellent protective hedge or screen for adverse conditions. D.
California Laurel [illegible]	20'-25'	Dark green leaves, long and narrow, similar to Easter Laurel; yellow flowers; black fruit; shrubbery border or naturalistic effect in landscape planting.

Also most of those for Northwest and Southeast

EVERGREEN SHRUBS (Southwest)

California Lilac (*Ceanothus*)	8'-15'	Upright or spreading, bushy, beautiful native, wide range of species and new horticultural hybrids, shrubbery border and groups; some hardy to Oregon.
Bottle-brush (*Callistemon*)	10'-15'	Exotic but thoroughly at home in southern California; rapid growing; heat and alkaline soil; cylindrical flowers of scarlet, crimson, or orange; garden decorations and color masses. D.
Nerium Oleander	15'-20'	Upright, slender, succeeding throughout California and in Arizona; mixed shrub border, individual specimens; garden new named varieties. D.
California Coffee-berry (*Rhamnus californica*)	12'-15'	Native, deep green foliage; wide range of soil conditions; sun or partial shade; *R. purshiana* similar but taller; black berries; mixed border or naturalistic effect. S.
Lonicera, japonica	12'-15'	Slender branches; feathery foliage; pink flowers in early summer, evergreen in southern portions. D.
Natal Plum (*Carissa*)	6'-8'	Dense, dark, glossy green foliage; fragrant pure white waxy flowers; succeeds near coast and inland; edible Cranberry-like fruit; stands shearing well; splendid hedge or foundation planting; or for mixed border.
Cistus (Rockrose)	4'	Compact, bushy; pure white crimson spotted or lilac-pink flowers; drooping; good for walls, banks, foreground of border. D.
Fuchsia	3'-5'	Slender drooping shrubs, pendant flowers; shade and moist soil. S.
Lantana	2'-6'	Tall growing and dwarf forms; former for hedges, fences; shrub border; latter for garden edging, bordering walks; everblooming; full sun.
Carnegiea gigantea	Trailing	Trailing shrub, bright red tubular flowers; trailing habit; banks, walls or terraces.

Also those for Southeast and Northwest

VINES, PERENNIALS, AND ANNUALS (Southwest)

NOTE: See list of Vines suggested for Southeast and Northwest, and remarks concerning Perennials and Annuals under Southeast Section.

Delphiniums that cap the garden's clima

(CONTINUED FROM PAGE 88)

like monstrosities. Some seedsmen, lacking discrimination, apparently mistook these monstrosities for the celebrated Wrexhams and sent such seeds to market as Hollyhock Delphiniums. Pictures of these lugubrious spikes are still occasionally printed to allure you as representations of results you may expect with X.Y.Z.'s seeds.

In decided contrast to the Wrexham is the slender non-tapering spike called "[illegible]." Between the two extremes, each with value of its own, we will probably find a satisfactory standard for the Delphinium.

This ideal Delphinium would have stems that depended on texture and fibre for their strength rather than thickness. They would have luxuriant open foliage for the first two or three feet of their ascent, then would begin the flower spike proper for which a length of three feet may be set as the minimum. We will be proud of longer spikes if the stems will be strong enough to carry them, for our Delphiniums must be sturdy enough to face any ordinary weather conditions without being lashed to telegraph poles.

We will want all the good colors of hand but we must also have Del phiniums of true blue in all shade The spike will be slender with enough base width to taper slightly, the blo soms to set along the stem with car less and loose regularity in the light tints, getting more compact and eve densely set in the very deep colo The laterals, wiry and airy, will e tend well out from the main ste While the plant would always respon to intelligent care, it would not die [illegible] to take its temperature.

While we would prefer to have com plete disease resistance, we are willi to use the sulphur dust about the sam way we use it on Roses, to ward o trouble. And we certainly shall expe to find our plant doing business regu larly in the same spot year after ye until we decide to divide it becau we want to go in for mass plantin As an expression of appreciation such loyalty we will not expect plan to bloom more than once a year, ther by giving new eyes developing at ba of stem the time they count upon store material for next year's pageat

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12 LIATRIS SPICATA (Spike Gayfeather). This ... height of 2½ feet. ... 2.00
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78 Plants, ... $12.75

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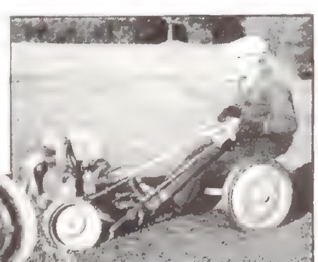
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Northwestern flower gems

CONTINUED FROM PAGE 78

It prefers a sandy soil. This, along with *Pentstemon barbatus torreyi,* two to three feet tall, also scarlet flowered, is splendid for highlights in the mid-border from June to September. Another native Pentstemon, *ovatus,* has blue flowers considerably earlier, and reaches a height of four feet. It is splendid both for the back of the border and for cutting. The Colorado Columbine, *Aquilegia caerulea,* growing up to three feet, is a very beautiful one; the flowers are blue to lavender, with white center.

The native Gentians make desirable garden subjects, either for an intimate corner of the border or the wild garden, or for a moist, cool spot in the rock garden. *Calycosa* is especially beautiful, one of the finest of all Gentians, with large flowers of real Gentian blue on good stems, eight to ten inches tall, and flowering from midsummer until late autumn. *Menziesi* is a dwarf, semi-prostrate form. Charming companions for these, flowering in the spring, are the native Ladyslipper *Cypripedium montanum,* brown and white, and the dainty and delicate little *Calypso occidentalis,* a miniature Fringed Orchid, pink shading deeper pink.

Two plants for damp or boggy locations are the western Cowslip or Marsh Marigold, *Caltha uniflora,* interesting because of its white flowers, and the scarlet Monkey-flower, *Mimulus cardinalis.* The not new but altogether too little used Erigerons, *coulteri* and *speciosus,* are natives of the Northwest. The former is mauve-colored and the latter bright pink, the flowers resembling the wild Asters, but of lower growth—18" to 24"—and the blooming season much earlier, late June to August.

While, quite literally, the woods are full of interesting native shrubs and trees, but a few can be mentioned here. One which to me seemed particularly lovely is the Wild or Mountain Lilac, Ceanothus. Our Eastern New Jersey Tea, *C. americanus,* is a hardier member of the same family. The new horticultural hybrids are proving popular in the West, and should do well near the Eastern coast below New Jersey.

Clematis columbiana is especially desirable because of its early season; it is covered in May with lavender blue flowers three to four inches across. It grows fifteen feet high.

The Western Dogwood, *Cornus nuttalli,* is larger than our Eastern form, making a tree up to fifty feet or more in height. It is hardy to British Columbia, near the coast, but probably not north of Washington in the East. It should prove well worth trying in fairly mild climates. Subject to the same climatic conditions is the Madrone (*Arbutus menziesi*), evergreen with large glaucous leaves and striking, copper colored smooth bark, attaining about the same proportion as the preceding, and bearing six-inch upright panicles of fragrant white flowers in early summer.



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"World's Largest Citrus Nursery"

The garden scrap book

ESPALIER FRUITS. For many years the espalier fruit tree, specially trained and shaped to grow flat against a house or other wall, has been a notable feature of European gardens great and small. On this side of the Atlantic however its use has been the exact opposite of frequent. For reasons which we have never been able to fathom fully, efforts to introduce and win for it a wide acceptance have been sporadic and poorly sustained, despite the fact that the espalier tree is endowed with the fundamental good qualities of attractive appearance, compactness, dependability and downright practical fruit production of the highest order.

All this being the case, it should be of the greatest interest to American gardeners to know that an excellent and varied stock of trained fruit trees is available this spring from a New York firm, Max Schling Seedsmen. It includes Apples, Pears, Cherries, Plums, Peaches and Nectarines, most of them in the forms known as cordon (both vertical and horizontal), U-form, double U-form, fourfold U-form, four-arm palmette verrier and six-arm palmette verrier. In these various types the upright branches range from one to eight and the lateral spread of the tree from a few inches to fifteen feet. In the horizontal cordon there are no vertical branches—just two horizontal ones.

The charm and practical adaptability of these espalier dwarf trees cannot be exaggerated. They are perfect for small areas, of course, where space is at a premium. And for ornamental as well as fruit effects against any kind of wall, or even on special trellises, they are unequalled.

MORE BLACK WALNUTS. Another specially noteworthy tree offering this year is the vastly improved Black Walnut which has been made available by the Living Tree Guild. This is a grafted, pedigreed product, perfectly hardy, which is to the nut family what the clipper-ship was to the tribe of lumbering sailing craft which preceded it.

Imagine a Black Walnut which, within five years or so from the time you buy it as a youngster no higher than your head, will bear a crop of extra-high flavored nuts with meats much larger than those of the ordinary kind and so thin shelled that they are easily cracked with an ordinary hammer. In its common form the Black Walnut may not bear a real crop before it is forty years old. The new grafted strain produces bushels of a far finer crop in less than half the time, and is a good looking tree as well.

We really ought to pay more attention than we do to the improved hardy nuts, bush types as well as trees. Great forward steps have been taken by some of the nurseries which specialize in them, both as to productiveness and all-around quality of the crop. If we

(Continued on page 101)



Lovely Roses

n your garden—this season

Let Rose Valley Rose Bushes ring unprecedented beauty and njoyment into your garden. Developed under the guiding hand f Rose Valley, in virgin rose-soil nd in our ideal climate, a Rose rom Rose Valley is most assuredly the finest Rose that grows."

Write to-day for our 1932 catalogue of delightful garden flowers.

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New Butterfly Bush "Ile de France"
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Unusual and rare varieties; true to name because they are grafted; easy to grow because they have passed a season out of doors. Dug with ball of earth. Wrapped in burlap.

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$10 for 10 trees

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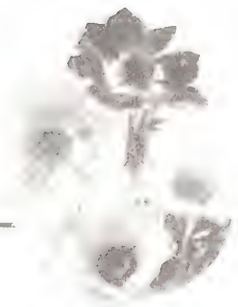


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ANEMONES!

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Joseph H. Dodson — America's foremost bird authority — will help you attract, care for, and enjoy the beneficial song birds. Their cheery songs and interesting habits are a constant source of delight to grownups and children.



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Birds are busy workers too, repaying you for their care by destroying harmful insects, such as grubs, bugs, flies, moths and mosquitoes. They capture mosquitoes on the fly and kill thousands every day.

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PICTURE a bright, sunny afternoon—a yard full of frolicking youngsters—and a smelly, fly-infested, disease-breeding garbage can, contaminating the very air they breathe and spoiling the beauty of the outdoor "living room." No wonder a child rebels at playing in such a disagreeable, unhealthy atmosphere.

The Majestic UNDERGROUND Garbage Receiver solves this problem. It is buried IN THE GROUND TO THE TOP. A slight press of the foot opens the lid and garbage is dropped into an inside can that is easily removed when filled. With only the odor-tight, fly-tight cover above the ground, the garbage can is out of sight and inaccessible to dogs and disease bearing insects. Have one installed now in the most convenient spot—just outside the back door.

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Mail the coupon for information on how you may secure FREE a miniature model that makes an effective living room ash tray from which smoke fumes cannot escape.

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Simply step on the pedal and the top opens. Release and it snapstightly shut.

Inner can is quickly and easily removed.



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MARCH PLANS THE JUNE GARDEN

If your gardening instincts sleep under a snow bank with the bulbs you planted last fall—now's the time to shake them awake.

Crocuses and hyacinths and the whole dynasty of tulips will soon hold court in your garden . . . but the glory of the June garden depends on the thought and care you give it this spring.

That's why we're rushing the season with this offer of House & Garden's Second Book of Gardens.

It will help you visualize in March the delphiniums and roses of June. It will tell you about new varieties of annuals and perennials . . . give you advice on the planting and transplanting of seedlings . . . make suggestions for setting out evergreens and shrubs to create an effective frame for your garden vistas.

Its tables and charts and shrewd hints will help you have continual bloom in your garden from frost to frost—whether your garden extends over acres of formality, or confines itself to a pert little door-yard.

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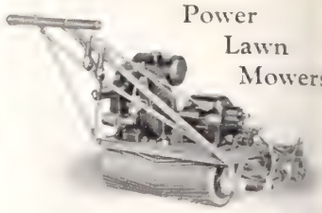
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C. B. DOLGE CO., Westport, Conn.
Please send me _____ gallons of DOLGE WEED KILLER.
Name _____
Address _____

The garden scrap book

(Continued from page 99)

to be proud of our boys' and girls' vegetables, flowers, and fruits, why not also of the nuts?

GRAPES IN SMALL SPACE. Early spring is an excellent time for planting Grapes. The ground for them should be well drained, sunny, and enriched with plenty of rich ground bone and either old manure or the recently introduced mixture of shredded manure and peatmoss. The canopy type of trellis is one of the best to train them on. It is made of a line of stout posts about 20′ apart and 5′ high, with a heavy wire stretched tight between them 4′ above ground and two more connecting the ends of strong 2′ cross pieces on the top of each post. With this system the vines are planted 8′ to 10′ apart and handled as follows:

When planting the young vines, cut off all side shoots and shorten the main cane to two or three joints. As the new shoots develop from the buds at these joints, tie them to stakes to keep them off the ground. In midwinter, again remove all side shoots and, if the main cane is strong, tie it to the lowest wire and spiral a cord around it from the ground to the wire as additional support. All growth above the wire is to be cut off. If, however, the cane is weak, shorten it to 15″ and, in the spring, treat it as it best suits you.

When [illegible] spring, prune off all shoots except those from the two top buds. Train these in opposite directions along the lower wire, but do not allow any fruit to develop. Keep the main trunk free from all other shoots and in midwinter shorten the two arms which you have developed to about six joints each.

In the third spring a shoot will grow from each bud on these two canes and bear a few clusters of fruit. As they grow, hang these shoots over the upper wires so that the vine forms a canopy. Before flowering time, choose two strong shoots starting near the main trunk for next year's arms. These are to be further strengthened by allowing no fruit to develop on them. All other shoots are shortened to two joints beyond the last clusters. In two weeks examine these canes to make sure none was missed, and shorten all fresh shoots to one joint. In midwinter cut off each of the old arms 1″ above the new arm developed during the preceding summer, and discard it with all its shoots. The new arms are then shortened to six or eight joints and carried along the lower wire as were their predecessors, being tied in several places.

During the fourth and succeeding years the vines are handled as in the third season, except that strong, healthy ones can well carry three or four main arms instead of two.

(Continued on page 108)

Flowers for the Connoisseur



A Collection of Rare Distinction and Unusual Charm

PETUNIA

Arthonia Speciosa—Golden flower of the Incas bred for centuries and not contributed by China. A superb novelty to be in full bloom with deeply indented foliage covered with brilliant orange scarlet blossoms. Splendid background. Pkt. $1.00

Nasturtium Golden Gleam—a double, sweet scented variety of bright gold. A distinct novelty. Pkt. 25c

Nicotiana, Crimson Bedder—a dwarf variety of pyramidal habit producing a mass of rich, dark crimson flowers. Very striking. Pkt. 50c

Annual Summer Chrysanthemum—gaily variegated in color and markings. Long blooming, easily grown, they are extremely effective in vase or garden. Pkt. 25c

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Please send me the FREE 1932 Kunderd Gladiolus Book.

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Rare and unusual [illegible] introduced by Harlan P. Kelsey. It has [illegible] clear rose flowers [illegible] May and June, followed by attractive purplish fruit. [illegible] and adapts itself to [illegible] dried conditions, it [illegible] a specimen [illegible] or two feet. [illegible] we have [illegible]

Kelsey Locust, *Robinia kelseyi*

9-12 in. 3 in pots @ 50c ea.
$4.50 per ten
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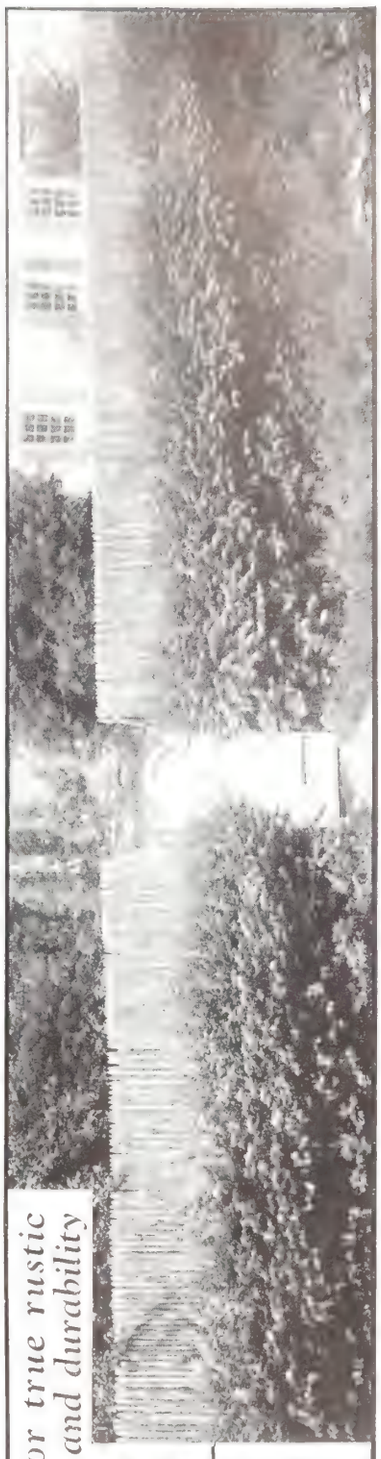
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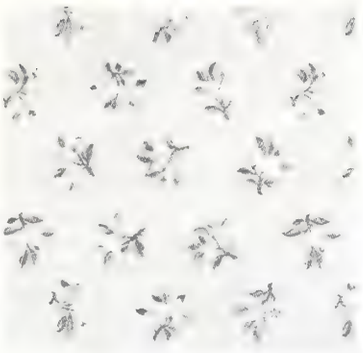
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SCHUMACHER FABRICS *add richness and color to this Chinese Chippendale scheme*

is easy to account for the keen interest in Chinese Chippendale when fabrics like these are allowed to play their decorative part! he Schumacher eighteenth century damask with its fine Chinoiserie pattern which you may observe in the sketch, likewise appears a distinguished room of the Boston Museum. The charming floral tapestry used on the side chairs is reminiscent of an Aubusson eave. And the warm, splendid tapestry panel above this mantelpiece is a reproduction of a rare antique made expressly for Schumacher. humacher Fabrics and the "seemingly seamless" carpet, illustrated, are sold through decorators, upholsterers and department ores. Offices at 60 West 40th St., New York. Also Boston, Chicago, Philadelphia, Grand Rapids, San Francisco, Los Angeles, Detroit.



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Hand-decorated and plain Celanese Clairanese for draperies, and Celanese Chitonese for glass curtains, combine to create this luxurious boudoir setting, designed by the Interior Decorating Department, W. & J. Sloane.

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Decorative Fabrics

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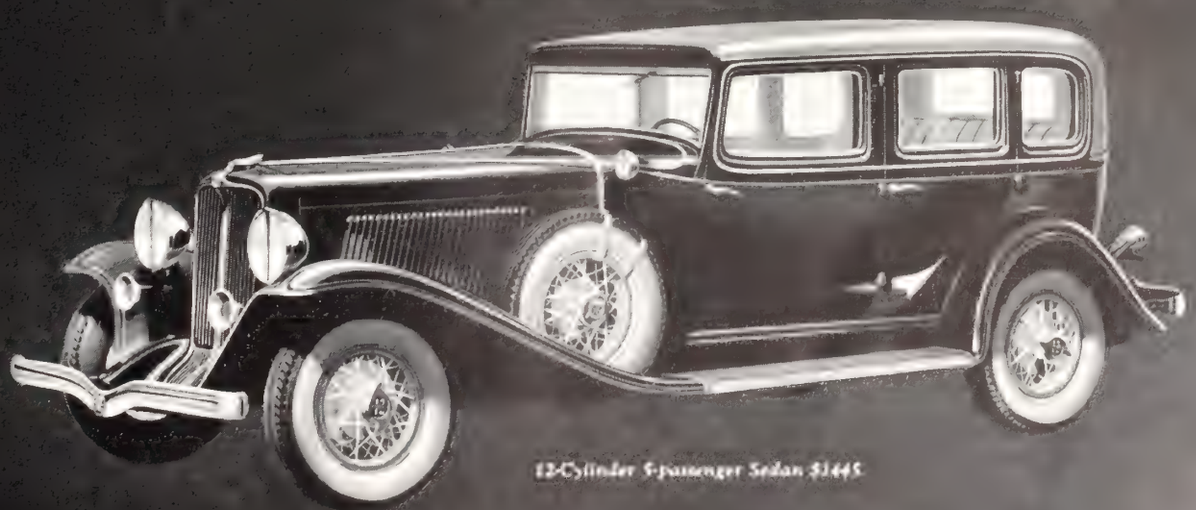
Auburn Repeats

Auburn's success is the result of being first with improvements—of giving a larger, stronger, finer automobile of greater value for less money. To maintain leadership in this, the industry's most competitive year, Auburn introduces a new Twelve. It accelerates faster—it runs faster and smoother—it climbs hills faster and easier—it has more Horse Power than any other Twelve—it offers advantages, including Dual-Ratio, obtainable in no other car! Those are some of the sensational claims made for Auburn's new Twelve. Claims that electrified the industry. Claims that amazed the public. Claims that have been investigated by car owners everywhere. As a result, the acceptance for Auburn today is the greatest in its history. Auburn offers a 5-passenger 4-door Sedan, with 133-inch Wheelbase, 160 Horse Power 12-Cylinder motor, and many outstanding improvements including Dual-Ratio, for $1555 less than the lowest priced competitive Twelve Sedan. The reason for Auburn's continued success is self-evident.

Auburn "12" and "8" Custom Models include DUAL-RATIO

AUBURN

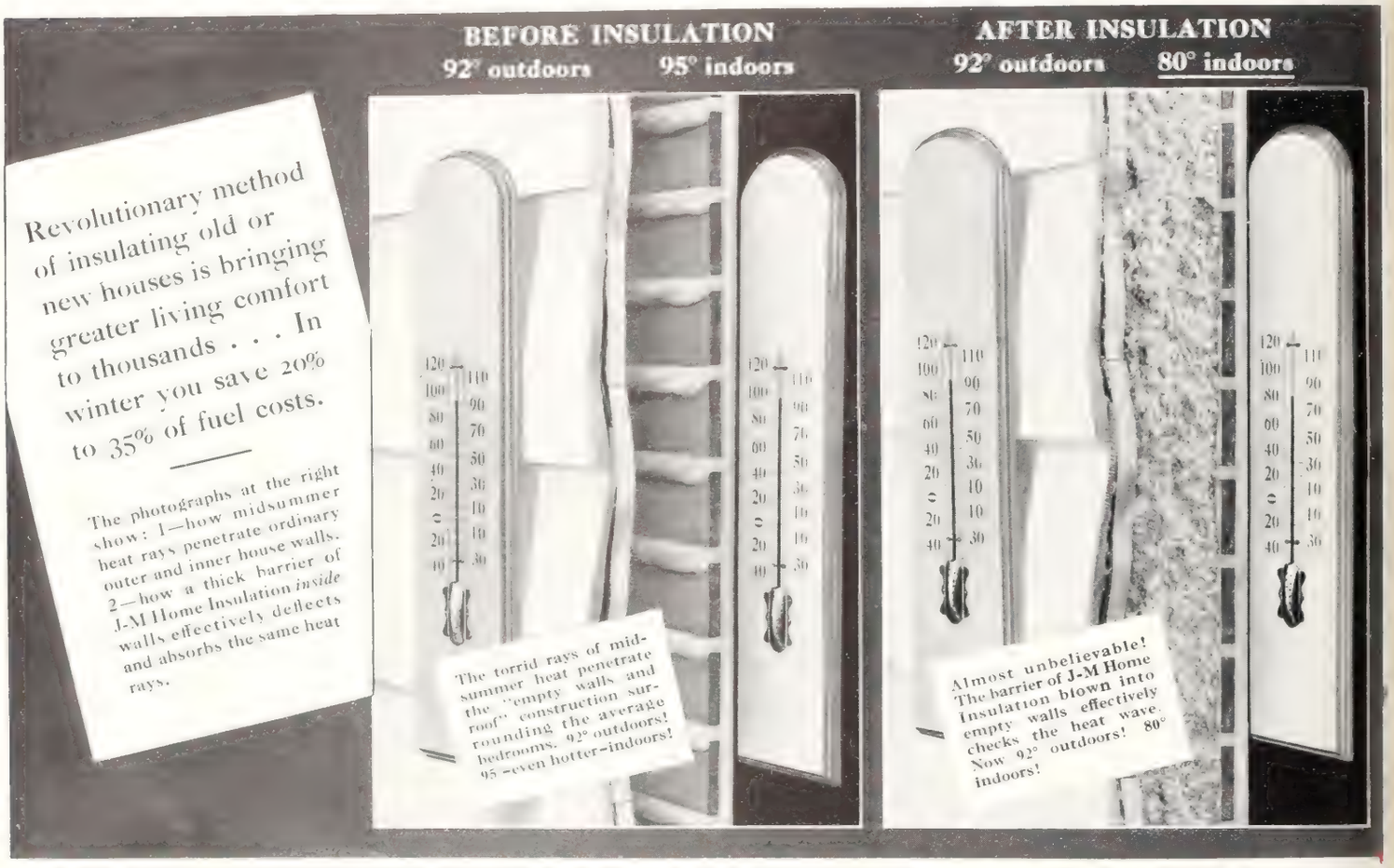
POWERED BY LYCOMING



12-Cylinder 5-passenger Sedan $1445

ndard Models 12-160: Business Coupe $1345; 5-passenger 2-door Brougham $1495; 4-door Full Sedan $1445; Convertible Cabriolet $1495; Convertible Phaeton Sedan $1595; Speedster $1595. Custom Model -160A: Business Coupe $1545; 5-passenger 2-door Brougham $1595; 4-door Full Sedan $1645; Convertible Cabriolet $1695; Convertible Phaeton Sedan $1795; Speedster $1795. Prices f. o. b. Auburn, Indiana. ndard Models 8-100: Business Coupe $845; 5-passenger 2-door Brougham $895; 4-door Full Sedan $945; Convertible Cabriolet $995; Convertible Phaeton Sedan $1095; Speedster $1095. 7-passenger Sedan $1145. stom Models 8-100A: Business Coupe $1045; 5-passenger 2-door Brougham $1095; 4-door Full Sedan $1145; Convertible Cabriolet $1195; Convertible Phaeton Sedan $1295; Speedster $1295; 7-passenger Sedan 345. Prices f. o. b. Connersville, Indiana. *Equipment other than standard, and wire wheels, all models, at extra cost.* AUBURN AUTOMOBILE CO., Auburn, Indiana. Division of Cord Corporation.

Your upstairs bedrooms can easily be made 8° to 15° *cooler* this summer



AFTER saving American industry over $250,000,000 a year through insulation, Johns-Manville has turned its experience to the heat-and-cold problems of the home owner . . . Now your upstairs bedrooms can be cool and restful—even in sweltering weather!

What is J-M Home Insulation? "Wool" made from melted rock is blown through a hose into the empty spaces between studs and joists under the roof and between the walls—*in just a few hours' time, without dis-*[illegible].

The long, fine woolly fibres pack themselves into the empty spaces, forming an invisible wall 4 to 6 inches thick. A wall *within* your walls which successfully bars the hot rays of the sun. Rooms that once stored up the day's heat become uniformly comfortable.

Winter fuel savings average 30%

In winter J-M Home Insulation keeps the cold outside, the heat inside. Owners whose houses have been weather-protected this way report substantial fuel savings—they are paying from 20% to 35% less for fuel than before. The average is 30%.

Made from rock, J-M Home Insulation is fireproof and vermin-proof. For this reason it was chosen to protect historic Mt. Vernon and other national shrines.

Write for free booklet

An illustrated booklet, "*Now you can blot year 'round comfort into your home,*" will be sent you free. It tells in greater detail the remarkable story of J-M Home Insulation and includes interesting experiences of home owners who have had it installed. Just mail the coupon.



J-M Home Insulation is* BLOWN *into empty spaces between attic joists and between studs in side walls — without disturbance or annoyance to you

H.G.1.

JOHNS-MANVILLE
41st Street & Madison Ave., N. Y. C.

I am interested in learning more about J-M Home Insulation. Please send me your free booklet.

Name_____

Street_____

City_____ State_____

Johns-Manville

JM *Home Insulation*

Beauty...

that grows with the years





Now...kitchen sinks have Modern Appeal

● When you see the rich lustre of the new Monel Metal Sinks, you will find it hard to believe that such bright beauty can be permanent. But as time goes on, you will find that Monel Metal's beauty grows . . . actually improves with use. Time gives it the soft, glowing mellowness of fine family sterling.

While your eyes tell you that the new Monel Metal Sinks are beautiful, your pocketbook echoes that they are economical, as well. They last for a lifetime! Your experience will prove that they are chip- and crack-proof...durable as anyone could wish. They won't rust and they resist stains and corrosion. Repeated cleaning will not injure their gleaming surfaces. Monel Metal's silvery neutral tones blend with all color schemes, helping you achieve harmonious decorative effects that are modern and livable. And the trim, direct lines of the new sinks save floor space... Monel Metal Sinks give you 31% more working surface.

Next time you go shopping for kitchen and laundry equipment, keep Monel Metal always in mind. When your plumber shows you a sink . . . when a dealer offers you a washing machine, table, or cabinet top . . . remember that Monel Metal is the silvery symbol of standard quality. Accept the presence of this Nickel alloy as evidence of permanence and value.

Ask your local plumber to give you complete information about Monel Metal Sinks and, in the meantime, mail the coupon for interesting and helpful booklets.





THE INTERNATIONAL NICKEL COMPANY, INC.
73 WALL STREET NEW YORK, N. Y.

Monel Metal is a registered trade mark applied to a [illegible]

A HIGH NICKEL ALLOY
MONEL METAL
MODERN AS TOMORROW

The International Nickel Company, Inc., 73 Wall Street, New York, N. Y.
Gentlemen: Please send me your booklet "A Kitchen Beautiful".
Name
Address

"Stop *Rusty* Hot Water where it starts"



You can now obtain water heaters with rust-proof tanks at reasonable prices!



Kumfort Gas Water Heater, made by The Lovekin Water Heater Co.

The ordinary water heater tank of rustable metal is a prolific rust producer. Hot water hastens the formation of rust. Every time you wait for the hot water to "run clear", you are not only delayed, but you also waste the fuel used to heat the water.

You can avoid this annoyance and expense by making sure the storage tank is made of metal that *cannot rust*. Copper and Bronze are rustless and highly resistant to corrosion. Many well-made Copper tanks are still sound after forty years and more of continuous service. Comparison of such service as this, with that given by tanks of rustable metal, clearly reveals the economy of heaters with rust-proof tanks.

Recently, a number of leading manufacturers of storage water heaters have adopted Everdur, an Anaconda alloy composed of 96% Copper, silicon and manganese. This Copper alloy combines the corrosion-resistance of Copper with the strength of steel. The ease with which it is welded makes Everdur the ideal metal for rust-proof tanks of welded construction.



"The Kumfort" automatic storage gas water heater illustrated, is equipped with an all-welded Everdur Tank which is equal in strength [illegible] to copper. Prior to the development of Everdur, it was not economically possible for the Lovekin Water Heater Company, Philadelphia, to offer their equipment with rust-proof storage tanks having the welded-in vertical fire tubes which feature all Lovekin heaters.

Water heaters with tanks of Everdur or Anaconda Copper and range boilers of these metals are now available at surprisingly moderate prices. Products of leading manufacturers have been subjected to exhaustive tests and can be relied upon to give dependable service.

Further information can be obtained from your gas or electric company, or plumbing contractor. We will be glad to furnish you with a list of heater and tank manufacturers using Anaconda metals. Address The American Brass Co., General Offices: Waterbury, Connecticut

ANACONDA
from mine to consumer

Tanks of ANACONDA METAL

KOHLER HAS STYLED THE BATHROOM WITH MATCHED SETS . . . PRICES LOWEST IN YEARS

OMPARE Kohler quality — compare Kohler style and beauty — and compare ohler prices. . . . Then you'll agree there's no reason for accepting plumbing fixres or fittings of unknown origin and dubious merit. For now you can buy ohler quality products from your plumbing dealer at the lowest prices in years.

And now Kohler presents to you the latest development — Matched Sets — lumbing fixtures purposely designed to match and harmonize. With the Metrolitan Set (illustrated), and with other similar sets, Kohler has created new eauty and new practical advantages for your comfort. The flat surfaces accommoate toilet articles without tipping or slipping. The square corners, beveled dges, recessed panels — are modern and pleasing.

If you are planning to build — if any part of your plumbing is causing trouble – if you need another bathroom, downstairs washroom or a new kitchen sink — onsult your plumbing dealer. You will be agreeably surprised how little it will ost to have an all-Kohler job.

When you specify all-Kohler, you make sure of better lines, smoother surces, softer and clearer colors. The metal fittings have fewer and heavier workng parts, more accurate casting and cutting, finer finish.

The name Kohler on every piece identifies genuine Kohler products. Look or this mark on every piece before installation. It assures you of highest quality. Those who take advantage of today's prices of Kohler products are getting more alue for less cost than any time in years.

Write for an interesting new Kohler booklet on modern home plumbing. Kohler Co. *Founded* 1873. Kohler, Wisconsin. Makers of Kohler Electric Plants.

I POINTS OF KOHLER EXCELLENCE 1. Kohler designs are decorative, significant, correct. . The enamel is smooth, hard, fused with an everlasting bond. 3. The vitreous china has a ustrous, lasting glaze. 4. Kohler colors are soft, pleasing pastels. 5. The fittings match the xtures, in character and in quality. 6. Materials used are the finest—workmanship most careful. . Kohler is first with new ideas in plumbing. 8. Kohler quality extends to kitchen and laundry. . Kohler quality costs no more and saves money later. 10. Kohler products are handled by ualified plumbers. 11. They are backed by an entire community—beautiful Kohler Village.







KOHLER
U.S.A.

LOOK FOR THIS NAME ON ALL FIXTURES AND FITTINGS

METROPOLITAN MATCHED SET

The "Westchester" lavatory, above, has a wide table-top rim, concealed overflow and anti-splash edge—features not usually found in enameled units. Another new and exclusive point is the vertical, pillar-like pedestal. . . . The "Downing" syphon-jet closet has the same modern motif and several new refinements—flat surfaces and bevels, smooth bowl without projecting edge, streamlines from front to base. . . . The "Metropolitan" bath, left, has a wide, flat rim for toilet accessories. Notice the recessed panels, parallel lines and perfectly balanced proportions. . . . Other units in this set are available, also other sets—to suit any home and every need.

KOHLER CO., Kohler, Wisconsin

Please send me your illustrated new booklet, A-1, on *Modern Bathrooms*.

Name

Address

Insulation

PROTECTION FOR EVERY HOME

against

cold · heat · fuel waste

CELOTEX

DEALERS ARE INSULATION HEADQUARTERS

★*Celotex Insulation Products*

The most cheerful activity this Spring can bring is a widespread resumption of building. Costs of building materials are amazingly low—lower than for many years. This is the *first* great source of savings calling for action.

The *second* great source of savings is graphically illustrated in the picture above—the savings that Celotex, the cane fibre insulation, and its allied products make possible in construction in the city and on the farm.

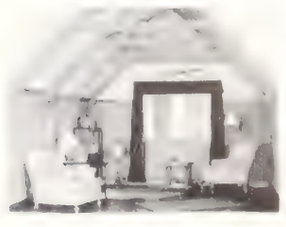
Costly heat escapes through roof and walls that are not effectively insulated. Celotex retards this leakage of heat, whether it be used as sheathing for side walls, as a lining under roof rafters, as a plaster base, or as an interior finish. Its heat resistance cuts fuel bills as much as 20 to 30 percent.

Its use means also a smaller heating plant, reduced radiation and, of course, a much cooler interior in summer. It increases structural strength, but adds little or nothing to building costs, for it replaces other materials.

The Celotex dealer in your community is an experienced lumber or supply dealer. Consult him about these double savings before you build. He is "Insulation Headquarters", for the Celotex line includes every form of insulation material required by every type of construction and every geographical location. Perhaps your problem will best be solved by the use of Celotex alone. Or it may require a combination of Celotex with Ozite Building Blanket, or Lanite Insulating Blanket, or other Celotex products. The Celotex dealer is "Insulation Headquarters". He will know.

Get the facts from him, or from your architect or builder. Profit by these two great sources of savings—lower building costs and lower fuel bills.

The Celotex Company also supplies highly efficient insulation to 28 leading manufacturers of household refrigerators.



the entire house warmer in winter and [illegible] for Celotex will con-

CELOTEX
BRAND
INSULATING CANE BOARD

The word Celotex (Reg. U. S. Pat. Off.) is the trademark of and indicates manufacture by The Celotex Company, 919 North Michigan Avenue, Chicago, Illinois. Sales distributors throughout the world.

The Celotex line of insulating and structural material, distributed by lumber dealers throughout the world, includes: Celotex Building Board—Celotex Sheathing—Celotex Lath—Ozite Building Blanket—Lanite Insulating Blanket [illegible] and Green Label Waterproofs. *In Canada: Alexander Murray & Co., Ltd., Montreal.*

CHRYSLER
IMPERIAL

WITH PATENTED
FLOATING POWER

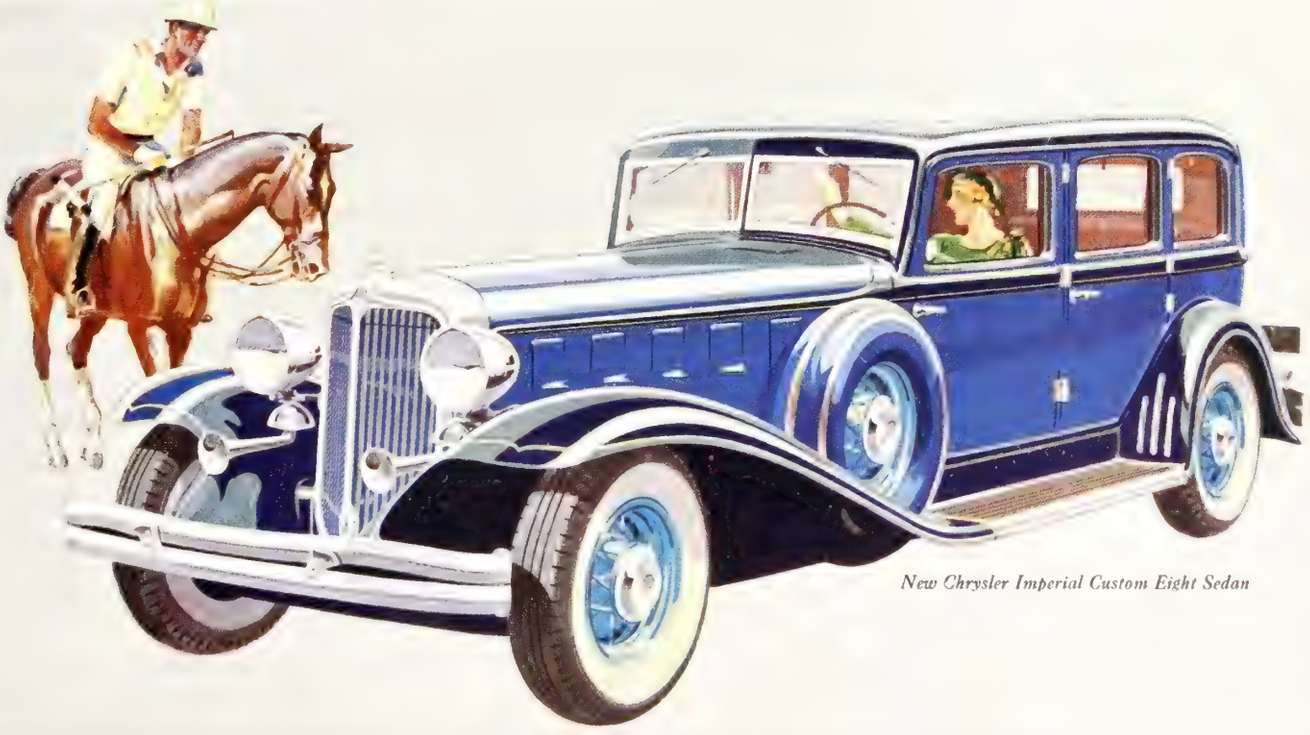
AUTOMATIC CLUTCH • SILENT GEAR SELECTOR • FREE WHEELING • INTERNAL HYDRAULIC BRAKES

ALL-STEEL BODY • OILITE SQUEAK-PROOF SPRINGS

DOUBLE-DROP GIRDER-TRUSS FRAME



New Chrysler Imperial Custom Eight Phaeton



New Chrysler Imperial Custom Eight Sedan

CHRYSLER'S FINEST MOTOR CARS

TAKE THE WHEEL . . . enjoy the most unforgettable ride you've ever had

The new Chrysler Imperial Eights are everything the word "Imperial" signifies . . . as the dictionary says, "fit for an emperor; magnificent; imposing; superior in size or quality."

Styled, appointed and engineered for those who want the finest—and only the finest motor cars—these new Imperials have a "luxury" of performance heretofore unknown in *any* motor car at *any* price.

In these cars you get the last word in up-to-date engineering. We promise you a new sensation. We promise you the easiest, silkiest, quietest ride to be had on wheels.

Floating Power engine suspension works a seeming miracle in performance. Creates an altogether new *feeling* in motoring. Wipes out power tremor completely at all car speeds. Eliminates all sense or suggestion of engine effort.

Even if you have a chauffeur, you'll want to do most of the driving. For these cars have an Automatic Clutch that is *absolutely* automatic. They have the latest and finest in Free Wheeling. They have a new Silent Gear Selector—enabling an instant, silent change to a higher or a lower gear at any car speed with no more effort than moving a lead pencil.

They have Oilite Squeak-Proof Springs—patented springs that *never* need lubrication, and *never* squeak

And Chrysler's world-famous Hydraulic Brakes for quick, positive, *cushioned* stopping—with new Centrifuse brake drums of steel with a lining of cast iron fused permanently to the steel. Resulting in cooler brakes. Safer brakes. Longer-lasting brakes.

You'll be happier with a Chrysler

The new Chrysler Imperial Eight with 125-horsepower engine may be had in two chassis sizes—a 135-inch wheelbase, carrying Chrysler's All-Steel Bodies, and a 146-inch wheelbase, carrying custom bodies by Chrysler and Le Baron.

•

A new Chrysler Imperial Custom Eight, six body models, $2895 to $3595, a new Chrysler Imperial Eight, three body models, $1995 to $2195, a new Chrysler Eight, five body models, $1395 to $1595, a new Chrysler Six, five body models, $885 to $945 (Automatic Clutch and Oilite Squeak-Proof Springs on all Sixes at slight extra cost). F. O. B. Factory. Duplate Safety Plate Glass standard on Custom Eights. Obtainable on Six and Eight Sedans, $17.50; on Imperial Sedans, $20; all 2-passenger Coupes, $9.50.



Wall-Tex Toile Pattern 4[illegible]-A — with soft antique finish.

WALLS of Richness and Beauty

... a washable fabric wall covering... helps to prevent plaster cracks

RICHNESS combined with simplicity gives delightful charm to this French Provincial living room. Here is a friendly, livable room — with carpet and furniture, draperies and wall coverings in perfect harmony. And in this quaint Wall-Tex Toile de Jouy pattern you find a richness of *fabric* texture that makes the room more lovely and beautiful. When light plays on the textured surfaces, here indeed is subtle charm.

For rooms of every style — for every room in the home — there is a wide variety of Wall-Tex patterns. Plain pastel colors if you prefer. Or distinctive patterns in color combinations of indescribable beauty — created under the supervision of Virginia Hamill, internationally known designer.

Wall-Tex, the modern wall covering, retains its original beauty for years. It is easily cleaned with a damp cloth — or mild soap and water may be used without harm. The fabric backing also has distinct advantages. It strengthens the walls, helps to prevent plaster cracks, and conceals them if they should occur. Moreover, after years of service, it provides an excellent foundation for redecorating.

If you are going to build or redecorate, canvas your walls with these beautiful *fabric* coverings. The enduring beauty of Wall-Tex means true economy — and Wall-Tex prices are lower than ever before. Ask your decorator or dealer to show you the newest Wall-Tex patterns — or mail the coupon for samples and illustrated booklet on interior decoration: *"More Charm in the Home."*



One of the many attractive and cheerful Wall-Tex Patterns for the living room or [illegible]

WALL-TEX

fabric wall coverings of enduring beauty



COLUMBUS COATED FABRICS CORPORATION

Dept. R-4 COLUMBUS, OHIO

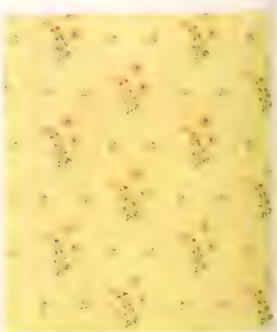
Please send samples of newest Wall-Tex patterns and free, illustrated booklet containing many suggestions on interior decoration and color chart for complete room harmony by Virginia Hamill.



Name

Address

City and State



A gay, cheerful bedroom floral pattern with a modern touch that adds to its distinctiveness. Pattern 3004-A.

Make your Yard your Own



with this Fence of SHEVLIN PINE

TO help you protect your children, your garden, and your privacy, we have designed a number of simple, beautiful fences that can be built at reasonable cost with Shevlin Pine.

In the folder, "Fences of Shevlin Pine," you will find photographs and detail drawings of these dignified, enduring fences together with a list of material estimated for each one hundred lineal feet. If you will mail the coupon we will send you a copy.

These charming fences of pine are neighborly and considerate. They enclose your property strongly yet no neighbor will object to them. In fact, these quaint fences add beauty and charm to your home and to the neighborhood.

Instead of being a separate alien feature such as metal or rough saplings they form an artistic, harmonious frame for your residence while marking your property in a friendly, well-bred way. Leading architects and landscape designers recommend the well-designed fence of pine.

Shevlin Pine is produced by an organization which has specialized in pine for more than forty years. The lumber for the fences illustrated in our folder can be obtained from any retail lumber dealer who carries Shevlin Pine. Ask him about Shevlin Pine Knotty Finish and Shevlin Pine Log Siding also.

You can build a fence of Shevlin Pine in a style to blend with the architectural scheme of your home. Among the designs in our folder are:

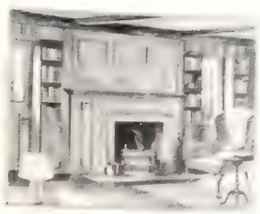
CAPE COD: A simple, low picket fence with square posts similar to the fence illustrated.

CALIFORNIA: A lattice garden fence protecting flowers and vines and assuring privacy.

LONG ISLAND: A dignified post and rail fence for the suburban yard or country home.

SEND FOR THIS FOLDER

Shevlin Pine Sales Company,
Executive Offices Dept. 924
900 First National-Soo Line Building,
Minneapolis, Minnesota



Measured drawing of this living room in Shevlin Pine Knotty Finish with list of materials for estimating will be sent you for 10c. Do you know that walls of Shevlin Pine Knotty Finish are not only beautiful but cost less than plastered papered walls in the long run? Just use the coupon and send for this Plan.

MINNEAPOLIS
First National-Soo Line Bldg.

CHICAGO
1866 208 South La Salle Street

SAN FRANCISCO
[illegible] Mills Bldg.

NEW YORK
[illegible] Graybar Bldg.

TORONTO, ONTARIO
[illegible] Bldg.



SCREENS THAT RUST . . . require frequent painting.



UGLY PATCHING . . . further adds to your expense.



AND FRAMES . . . must be rescreened every few years.

Why Spend Money on Screens Year after Year...

. . . *when Screens of* Anaconda Bronze Wire *cost only* 50 *cents mor*

IF your home has rustable screens, you know all about the annoyance and expense that rust causes. This spring, why not do away with painting and patching, by rescreening with Bronze cloth?

Bronze screens *cannot* rust. They withstand weather and wear. With ordinary abuse, they remain taut and firm, new-like for years. *And they are not expensive.* Bronze screen cloth retails for about 50 cents more per window than rustable screening . . . and lasts many times longer. Isn't this extra cost a trifling amount to pay for freedom from rust . . . for lasting screens.

Leading weavers of screen cloth use Anaconda Bronze Wire which, woven 16 meshes to the inch, weighs not less than 15 lbs. per 100 square feet. Such cloth meets all requirements of most communities.

The Utmost In Screen Value

When your screen frames are also of Bronze, you have obtained the utmost in screen value. Bronze frames never require painting . . . never rot or warp . . . and, of course, never rust. Moderate in price now, their first cost is their *only* cost. Bronze screen frames fitted with Bronze screen cloth provide lifetime service.

Other Uses for Durable Metals

Other Anaconda metals provide economy and comfort throughout the home. Wat pipes of Anaconda Brass, forever immun to rust, cost for the average home on about $60 more than pipe that merely "r sists" rust for a limited time only.

Gutters, rainpipes and roof flashing of Anaconda Copper give extra yea of expense-free service. Solid Brass an Bronze hardware retains its rich beau indefinitely. And well-made wat storage tanks of Copper or Everdu (strengthened Copper) stop rust at troublesome source.

For a copy of our booklet, "Copper, Bra and Bronze in the Home," address Th American Brass Co., Waterbury, Con

ANACONDA
from mine to consumer

Screens of ANACONDA BRONZE

"A development which gives the Architect n opportunity to effect new quality and character in roofs . . ." JULIUS GREGORY





A YEAR or two ago, if you had been planning to purchase a new roof, you or your architect would have been handicapped by the limited choice. Especially if your requirements were for a fireproof, everlasting roof which would be in harmony with, say, an English or Early American type of house.

Today it is possible for you to select from among Salem Roofs one which harmoniously combines modern fireproof and everlasting qualities with traditional design.

Salem Shingles are deep-textured, authentic in design, full of the character of roofs weathered by time. The soft New England grays and greens are especially suitable for the Early American house; the warm reds and browns for houses of other periods. Made of asbestos fibres and Portland cement, Salem Shingles protect your home from the dangers of fire, and effectively resist the wear and tear of years.

Your architect will assist in selecting the Salem Roof for your home—or write to Architectural Service, Johns-Manville, Madison Avenue, at 41st Street, N. Y. C.

ATLEE

Dining Colonial Living Room of Salem Shingles
Julius Gregory, Architect

Johns-Manville

Salem

Roofs

DIRECTORY OF DECORATION AND FINE ARTS



Bapka INC

GARDEN FURNITURE

Complete Furnishings for Town and Country Homes

15 EAST 48TH STREET NEW YORK



■ [illegible] effective complements to an airy [illegible] In sunlight, each facet in the cut-glass sides sparkles like a miniature sun. These vases are 7 inches tall and 6 inches in diameter, and are [illegible] $2.50 each. A smaller size is also available that is 5 inches tall and [illegible] elsden, 825 Lexington Ave., N. Y.

■ Bottles of milky white, opaque glass with spired tops like tiny minarets in an Arabian Nights tale are delightful accessories for a dressing table skirted with white organdy. Bottles and powder jar, $2 each. Margery Sill Wickware, 38 E. 57th St., N. Y. Use the small mirror, framed in maple, on a chest of drawers or dressing table. A drawer keeps cosmetics in order. Glass, 12 [illegible] Co., 91 Bank St., Newark, N. J.



CHILDREN'S FURNITURE



Children's rooms completely decorated in Colonial, Peasant, Modern and other styles.

Send for catalogue =66-A

CHILDHOOD, INC.
FURNITURE FOR CHILDREN
32 EAST 65TH STREET
NEW YORK

charming cordial set



[illegible] pitt petri, importer

378 delaware ave. buffalo, n. y.
waldorf-astoria hotel, new york city



■ Brer Rabbit and Mrs. Rabbit desire to secure an attractive summer home for themselves and their family. While they have expressed no preference regarding the architectural style of the house, it is essential that there be a spacious garden where little Miss Rabbitt and Master Rabbit may take their airing. These bunnies, of composition stone, are residing at present at the Erkins Studio, 255 Lexington Ave., N. Y. $4.50, $4, $2, $1.

■ In the bare and homely rooms of the early American settlers the hooked rug with its warm colors and fanciful designs was a saving grace. Today, relief from drabness and lack of color can be found in this same floor covering. The rug, of which a portion is shown, is a copy of an old flower design in lavender, mustard, deep red and purple on beige. Mercerized cotton and wool mixture. $11.90. Laura Copenhaver, Rosemont, Marion, Va.



Early American Wallpapers



Send for 16 x 20" portfolio "U" of 100 actual wallpapers, reproductions of authentic Early American designs, including latest discoveries of rare and unusual patterns. Select your papers from this unique portfolio "U", *loaned to you for a deposit of $1*, which will be refunded upon return of book. On reverse side of each page is a historical description of the design and price per roll.

A. H. JACOBS COMPANY
117 West 33rd Street, New York City

Antique
Reproductions and Adaptations



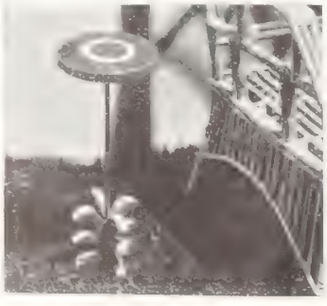
[illegible]

Charlotte Furn. Co., Charlotte, Mich.



■ The intriguing title of the stiff little wooden flower at the right is "Tea-spike." Spiked into the lawn beside an out-of-doors easy chair it holds an individual iced drink or tea cup. $2 each; sets of six. Stems and leaves are bright green; different colors decorate each flat-topped blossom. 18 inches tall. Janet Hurter, 128 E. 10th St., N. Y. Chair in the background, of natural rattan, from the Grand Central Wicker Shop, 217 E. 42nd St., N. Y. $32.50.

■ Who wouldn't be enthusiastic about gardening when it gives one an opportunity to don a swanky pair of gloves like these? The red calico cuffs trimmed with yellow bows give them a frivolous appearance that belies the workmanlike character of the washable, white leather hands. These and the pair of red-handled scissors come in the little straw envelope decorated with a red flower. $1.75. Lewis & Conger, 45th St. and 6th Ave., N. Y.

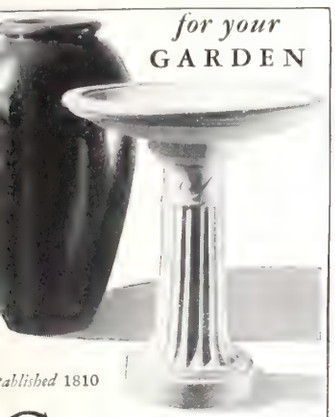


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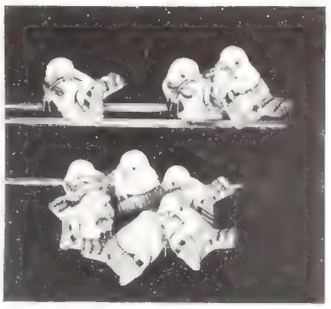
GALLOWAY POTTERY

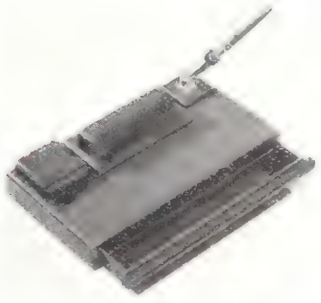
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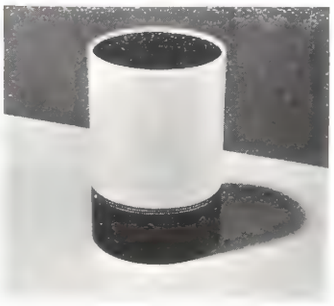
■ At the moment the little black and white chimney birds are preparing to welcome Spring with songs and drowning. While members of the chorus and their places on the roof those below found a rung and wait their cue. These bathrobed merry makers would be a clever addition to a Spring luncheon or cocktail's party table. Circle group, [illegible] inches in diameter, $80. Group of four, $35, single bird, $8.50. Rena Rosenthal, 520 Madison Avenue, New York.

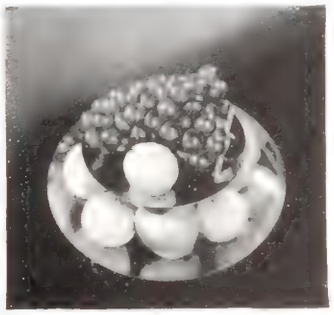




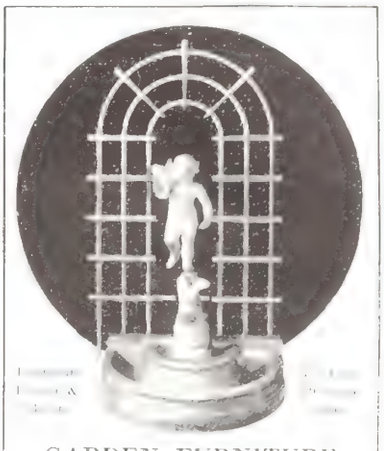
■ [illegible] modern desk set illustrated exhibits its [illegible] virtues—smart appearance, smallness and efficiency of size to please the person. Within its small area are contained a blotter, penholder, compartment for stamps and, in the bottom, a shallow drawer. Those with a fondness [illegible] will be completely taken in by the trim, brown and green covering of calfskin and [illegible]. Price $80. From Lord & Hollenden, 580 Fifth Ave., N. Y.

■ Lily [illegible] basket is black and white. An interesting and unusual combination of materials gives it additional distinction—white oilcloth top and black leather for the base. Three slender bands of gold are accents on the black. Black paper, watered to give the effect of shirred taffeta, is the lining. Equally effective in a Modern or Neo-Classic setting. $15. Futura, 136 E. 57th St., N. Y.





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Reader Questions and Our Answers

Q. Our daughter, age fifteen, wants to drop her high school course to devote herself to art, for which her talent is unquestionable? What would you advise?

A. The general educational background should never be sacrificed. Your daughter will stand a much better chance of becoming a fully developed, happy woman, as well as a successful artist, if she finishes her high school training. She should find lots of time outside of school hours to pursue her art. If she leaves school now she will regret the step when it is too late.

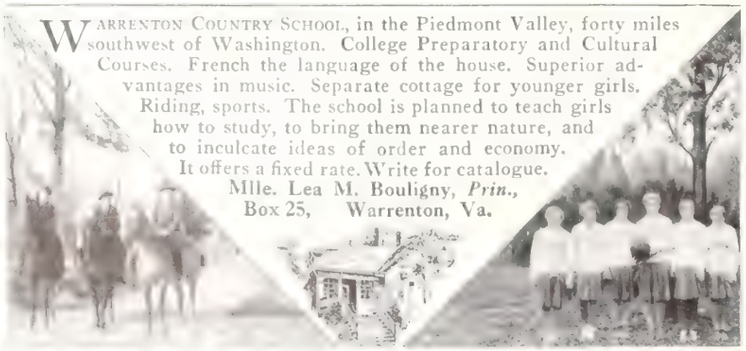
Q. How shall I go about selecting a preparatory school for my son? There seem to be so many types.

A. There are three main types of preparatory schools for boys. One type, the church school, is usually small in enrollment, conservative in its views and strict in its discipline. Another type, usually not a church school, generally has a large enrollment and gives the boy the responsibility for his actions a part of the time. Still a third type of school aims at striking the medium between the other two. With your own knowledge of your family tradition and your son's temperament, you should be the best judge of the type to select. However, we are mailing you a copy of Vogue's "Book of Private Schools" and Vogue's "Choosing the Private School" both of which you will find helpful.

The questions reviewed here are always typical of groups of questions. Many questions connected with the private school education of boys or girls are answered by the literature of the fine schools advertised here. We suggest that you write to the schools first. The mere fact that they advertise here is your assurance that they are fine schools of their respective types. But House & Garden is glad to help a reader whose case needs special attention, without obligation, at any time. Address: House & Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd, New York.

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This letter is from life. We hope a certain mother reads it . . . and many others. Ask some of the boys' schools listed in these columns for information. Or, in case your problem is a special one, address: House & Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd, New York.

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5. HODGSON HOUSES. Catalog G2 illustrates charming portable houses. All of which are built to harmonize with the landscape. E. F. HODGSON CO., 1108 COMMONWEALTH AVENUE, BOSTON, MASS.

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6. WATER IN ABUNDANCE. A catalog describing and illustrating the various water systems manufactured by this company. Types suitable for homes, farms and country estates. THE F. E. MYERS & BROS. CO., 105 ORANGE ST., ASHLAND, OHIO.

GARDENING

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7. THE BORDER PATROL. Several illustrations of Page fences appear in this booklet. Both the chain link and wrought iron types are shown. PAGE FENCE ASSOCIATION, 520 N. MICHIGAN AVENUE, CHICAGO, ILL.

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8. COLDWELL LAWN MOWERS. A booklet illustrating the many types of lawn mowers made by this company, suitable for different requirements. COLDWELL LAWN MOWER CO., NEWBURGH, N. Y.

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10. BRISTOL NURSERIES. A wide selection of perennials is offered and lovely color illustrations show new hardy Chrysanthemums. THE BRISTOL NURSERIES, INC., BRISTOL, CONN.

11. BURPEE'S ANNUAL GARDEN BOOK 1932. This year's catalog lists a wide selection of vegetable and flower seeds. Several of the illustrations are in color. W. ATLEE BURPEE CO., 121 BURPEE BLDG., PHILADELPHIA, PA.

12. STAR GUIDE TO GOOD ROSES. A booklet listing almost 200 varieties accompanied by several color illustrations. A number of novelties are introduced. CONARD-PYLE CO., WEST GROVE 322, PA.

13. DREER'S GARDEN BOOK. This long indispensable manual for gardeners features a number of worthy new plants in its 1932 edition. Supporting these is a wide range of dependable flowers, vegetables, shrubs, vines and aquatics. HENRY A. DREER, DEPT. K., 1306 SPRING GARDEN STREET, PHILADELPHIA, PA.

14. GLEN BROTHERS NURSERY. 1932. Excellent color illustrations in this catalog show the beauty of the flowers, fruit, foliage and trees supplied by this nursery. GLEN BROTHERS, INC., 1763 MAIN STREET, ROCHESTER, N. Y.

15. EVERYTHING FOR THE GARDEN. Contains a wide selection of vegetable and flower seeds. Several color illustrations. A 25c rebate slip is sent with the catalog. PETER HENDERSON & CO., 35 CORTLANDT ST., NEW YORK CITY.

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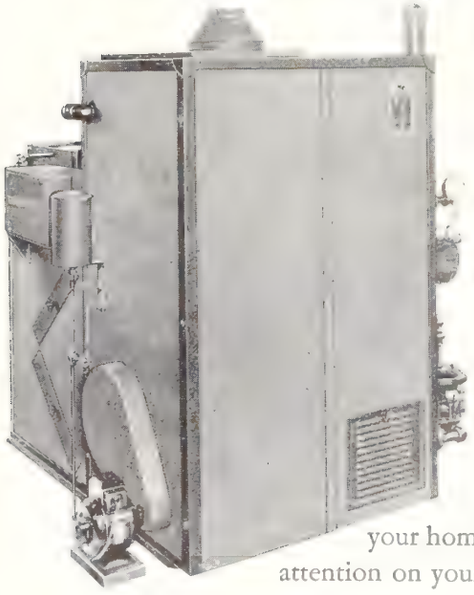


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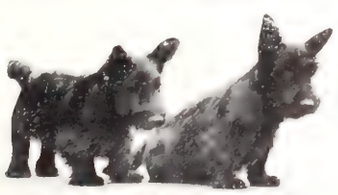
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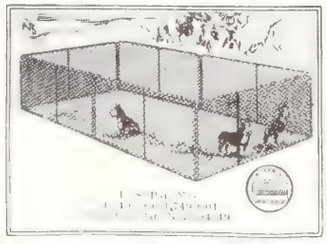


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(*Continued on page 21*)

Sealyham Terriers



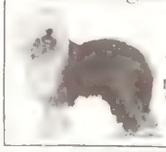
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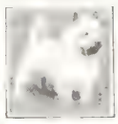


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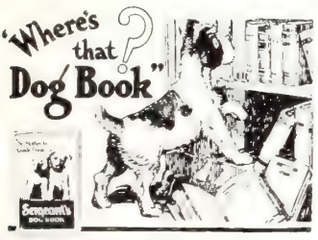
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READER QUESTIONS AND OUR ANSWERS

(CONTINUED FROM PAGE 20)

somewhat lowered the nose. Some people are of the opinion that Siamese kittens are difficult to rear successfully. But experienced breeders have proved quite clearly that if the kittens are allowed full liberty for exercise they reach maturity with complete development. This breed is further characterized by smartness, activity and amusing ways. Most of the Siamese will train to lead.

The long haired breeds of cats were at one time distinguished as Persians and Angoras. Today they are all called Persians.

The glory of the Persian is its coat, which is long, silky and further prolonged into a ruff or frill. The eyes are large and full, varying in color with that of the coat, and set wide apart. The ears are small, tufted, carried fairly well forward and not too close together. The nose should be short—almost "snub," in fact. The forelegs short, with strong bone, and the feet compact.

The Persian's colors are black, blue, brown tabbies, creams and fawns, orange, silvers, chinchillas, shaded silvers, silver tabbies, smokes, tortoise-shells, whites and coon cats. Each shade and color has its adherents who claim that particular one to be the most beautiful and therefore the most desirable. Any question about this in your mind can be decided quite easily by attending one of the numerous cat shows held throughout the country.

In closing it might be interesting to note two anatomical peculiarities of the cat. One is the tongue, the upper surface of which is covered with short, horny projections directed backward, for the thorough finishing of a bone or other food too large to be crushed by the jaws, and for cleansing and combing the coat, so to speak. The other is the cat's wonderful power of vision. The pupil of the eye has unusual power of expansion and contraction, giving its owner acuteness of vision in varying degrees of light or darkness. It seems that this contractile power is greatest in young cats and becomes less noticeable with advancing age.

• *Is it customary for a female to lose a good part of her coat after whelping a litter of puppies?*—*J. D. S.*

• Yes, it is. See that her diet consists more of the protein foods such as milk, eggs, meat, and cod liver oil, and less of the starchy foods. A daily grooming will also be helpful.

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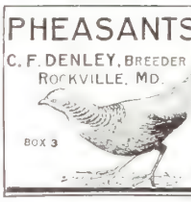
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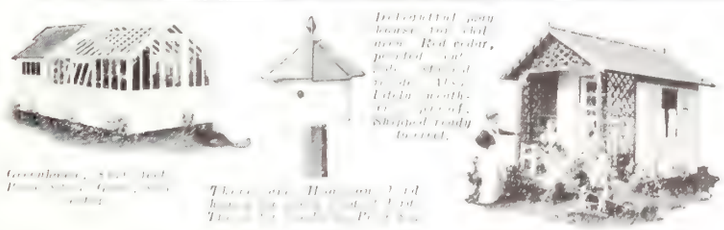
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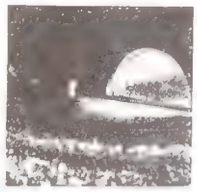
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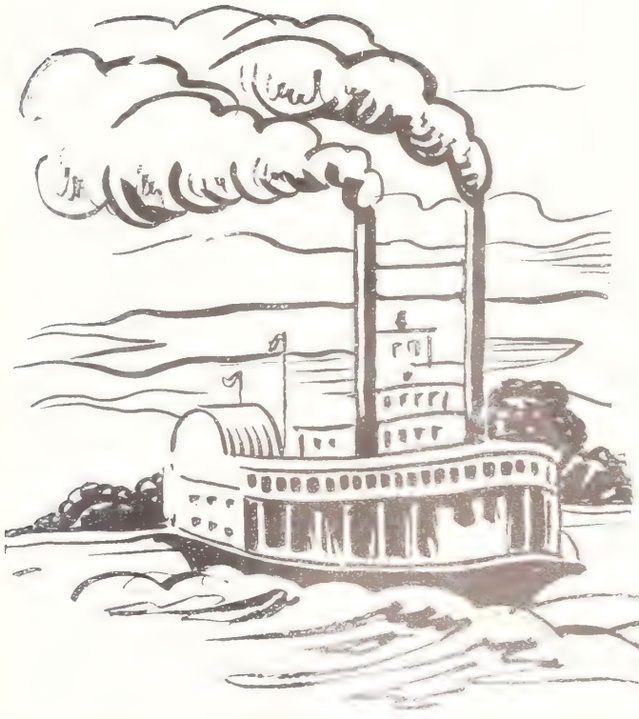
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THE DIXIELAND—No. 6958—This delightful design *(extreme right)* is the "Land O' Cotton" in every detail ... from its Mississippi river boats to its romantic Southern mansions.

THE PARMELEE—No. 6953—Originally made in England and taken out to the Coast during the gold rush days, the Parmelee celebrates the "Present" as represented by one of the earliest locomotives, in contrasts to the antiquated stagecoaches of the "Past"! The design came to Strahan from the home of [illegible], through the courtesy of his granddaughter.







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HOUSE & GARDEN

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Mrs. Louise Tiffany Taylor, associated with Mrs. Seth Low in the firm of Taylor and Low, has not only charming taste in decoration but the courage to launch new ideas, the latest of which will be divulged in our next issue. She has also abundantly proved that budget rooms can be smart—a point worth noting in these careful times



Mrs. Cecil Baker is the head of Thedlow, designers of a window treatment illustrated on page 47 in this issue. Working magic with color in her delightful schemes, she has also a decided flair for 18th Century decoration, going abroad every year collecting antiques in England and on the Continent for her lady clients here in America



Mrs. Seth Low is the other member of Taylor and Low, designers of the distinguished entrance hall which appears on page 34. This youthful firm was very quick to grasp the decorative value of the Biedermeier style, both ashore and afloat, doing a model residence entirely in this interesting manner, as well as Mrs. Charles A. Stone's yacht

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THE BULLETIN BOARD

LAST WORDS. Our scouts come panting in with the last words on what's new in the stores and decorators' shops. The country, due to George Washington's celebration, is going hectic over red, white and blue. Papers and fabrics are dizzy with the national colors. You can positively hear the eagle scream. . . . There's a new screen made of white satin folded to represent organ pipes. . . . The demand for shaggy materials continues—shaggy rugs and shaggy curtains and upholstery fabrics, in whites, oyster and beige. . . . Decoration will probably pay off the mortgage on the old plantation this year—cotton is being used universally.

FURNITURE THAT'S SELLING. Just to find out what furniture is selling these days, we asked some direct questions of forty-eight nationally known decorators. Their answers, boiled down into neat little tables, show that the most popular style today is 18th Century English Georgian. The greatest increased demand is anticipated for related 18th and 19th Century styles—Biedermeier, Regency, 19th Century Italian and Victorian. There is a decided trend toward smaller and lighter scale adaptations of period designs, to use in apartments.

THE BUYERS SAID. What the decorators said about popular furniture styles was confirmed by department store buyers with these additions—that Colonial American is still high in favor, especially for bedrooms, Tudor and Jacobean for dining and breakfast rooms with Federal American and English Georgian as close runners-up. For living rooms the demand is divided between Colonial, Federal American and English styles. Walnut and mahogany are the woods most in demand, with maple and oak trying to nose in. Tapestries are the most popular furniture coverings. Plain fabrics are slightly ahead of figured. Greens and rust shades lead.

GASTRONOMIC GEM. They have a saying in Tuscany to the effect that you should never tell the peasants how good cheese and pears are together or you'd never get any pears. This combination is a favorite with Florentine gourmets. A slice of ripe pear and a nibble of cheese! For the exact gastronomic nuance you should use either *bel paese* or *Pecorino*, the native sheep milk cheese. The latter, when about a year old, is in its perfection.

THE ASCENDENCY OF JUNK. Had we tears to shed, they'd be spilled over the junk being offered the public these days. Our shops are filled with penny-catching doodabs and gadgets. People hitherto bought good, solid, lasting merchandise. They'd demand: "Is it well made? Will it last?" Then came the rage for style. Manufacturers began "styling" their products. Workmanship and lasting qualities were forgotten. Everyone asked, "Is it fashionable?" Today we can take the style for granted, but isn't it about time we looked into quality and workmanship again?

A FUTURE FOR SUBURBS. We are led to believe that when the world has finally passed through this vale of depression we shall see an increased countryward movement. Depressions settle in cities as gas settles in valleys. The suburbs will probably take on a new lease of life due to people calmly deciding that life is too short to be lived in cities.

APRIL WELCOME TO A TRAVELLER

Here are the quiet fields again
  Too unassuming to be grand,
Walls that were built by lonely men
  Who knew the stones and loved the land;

The Willows puffing into green,
  The hesitant and lovely Elm,
Acting as hostess to the scene
  Which charms but does not overwhelm;

The open gate of pasture bars,
  The racing of a hundred rills
Which glisten like a thread of stars
  Entangled on the April hills . . .

I've looked upon magnificence
  Of mountains beautiful and proud,
Put here [illegible] *New England fence*
[illegible] *New England cloud!*

MARTHA BANNING THOMAS

GLASS BY IPFEL. The observing New Yorker will find, by studying the glass in lower front doors of many of our brownstone houses, that the style of glass depends on the street. Evidently the builders of bygone times divided the city into those sections that should have glass with etched grapes and those with etched Greek temples, to say nothing of which should be white glass and which colored.

LENTEN MOTTO

A well-bred Dove should bear in mind
  The foolishness of Men, but seeing
[illegible] should still be kind
  To every poor dumb Human Being.

ARTHUR GUITERMAN

TUFTED WALLS. Fabrics continue to claim a place on the walls and sometimes they spread themselves luxuriously. Quite by accident the other day we barged into (and fled from precipitately) a dressing room, of which the walls were tufted white satin. The dressing table was [illegible] of course.

GARDENS OF COLONY AND STATE. Justly taking its place beside those two great garden histories, Lady Amherst's *A History of Gardening In England* and Miss Lotte Gothein's *History of Garden Art*—now comes *Gardens of Colony and State*. This first volume is half of a monumental task undertaken by the Garden Club of America to set down the history of gardening in Early America. The work has extended over many years and now attains completion under the able editorship of Mrs. Vincent Lockwood and a capable board of assistants. The scope in this volume is the upper half of the Atlantic seaboard and the gardens of the Western Reserve and of early Michigan under the French. Standing out from the great mass of research and description is a lengthy *tour-de-force* by Miss Alice Brayton on the gardens of Rhode Island. Would that the entire book were written with as sprightly and entertaining a style! Not that the book is dull. It is a magnificent and comprehensive job, illustrated with such a lavish hand as to make this volume the last and only necessary word on the subject.

ALBERTUS MAGNUS. Garden clubs, in search of an interesting personality to discuss, might select Albertus Magnus, the mediaeval scholar, who is said to have operated the first hothouse of his time. He is soon to be made a saint, we understand, and can then join the other two patrons of gardening—St. Dorothea and St. Fiacre.

SHAKERS AND HERBS. In the first decade of the last century the Shakers, members of the United Society of Believers, were the leading factors in the business of cultivating and preparing medicinal herbs for drug stores. The physic garden at Mount Lebanon, New York, occupied 50 acres and the annual output of herbs was 8000 pounds. At the Harvard commune 10,000 pounds of medicinal herbs and roots were produced each year.

HINTS ON PAPER. There never was another man to write such letters to his wife as Richard Steele. One would think he'd had enough of writing, with his contributions to the *Spectator* and the *Tatler*. But if she was only in the next room, he'd scribble her a note and send it in by a servant. Or if he chanced to imbibe too much at a club, it would be a laconic, "Dear Prue, Sober or not, I am ever yours." All of which facts are by way of preface to wondering why some manufacturer of writing paper doesn't give us a series on great letter writers.

DUDE RANCH DECORATION. Someone has asked (spare the thought!) what kind of decoration one should have in a dude ranch house. We answer promptly and with set jaw, "None." Aboriginal furniture carved out of native logs, Indian blankets and pottery—these are enough. But it gives us (and would probably give the ranchers, too) a grim shudder to imagine what would happen if these rancher houses were invaded by what the lady from Virginia called "[illegible] carpets."

THOSE GARDENING BRITISH. A couple of years ago there arrived in this country one of Britain's favorite horticultural writers, with the serious intention of finding out if we had any gardens here. She came, she saw—and she wrote a book, *Gardens In America*. Being a frank and observing person blessed with a sense of humor, this author (who is Marian Cran) has said precisely what she thought about scores of our gardens and their owners. Of course everyone is going to read the book—and most of us [illegible]



For sheer grace a circular stairway wins

CURVES, color contrast, and classic details distinguish this stair hall in a New York residence. Walls are white with frieze and pilasters marbleized royal blue; the Biedermeier sofa is covered in a gold Empire satin. Taylor & Low were the decorators; Rodgers & Poor, architects

DECORATION THROUGH THE CAMERA'S EYE



Thurman Rotan

By Robert E. Locher

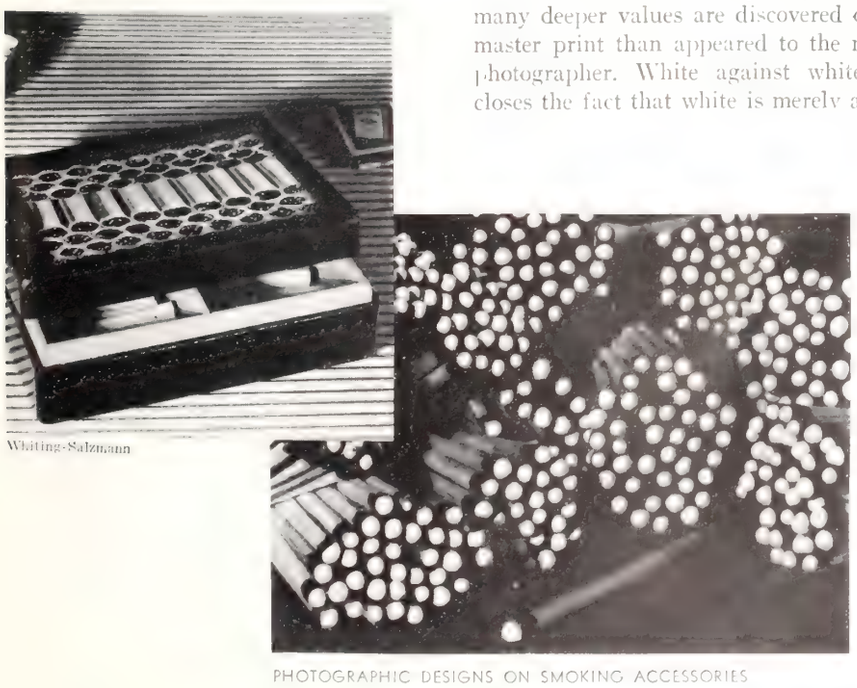
An inventor's life is not a happy one. He perfects a revolutionary device or works out a fresh use for an established product. Then along come middlemen, anchored to the past, who present the new thing in terms of the very one it was designed to supplant. This compromise-period passes in time, but, while it lasts, we find such anachronisms as the automobile with carriage lines, the skyscraper with traditional details, the linoleum floor in carpet design. Lacking the courage to stand on its own feet, the newcomer seems an apology rather than a portent.

Just this affliction befell a recent arrival in decoration's field—photography as applied to wall decoration. Instead of being actually modern, the first cautious experiments showed, in the main, a purely imitative quality. We had old prints enlarged, to rival antique scenic paper. We were advised to color them by hand, invading the domain of the mural painter. Even when we set up original compositions for the camera, these usually reflected yesterday rather than tomorrow. Instead of the stimulus of the brand new, we found merely a different way to get the same old results by photographic means.

Now comes the second phase of the camera in decoration—giving the lens its head, unencumbered by tradition to begin with, and unembellished afterward. Exit the fuzziness, heaviness, muddiness and general fumbling that resulted from compromise. Enter a new clarity and delicacy, a whole new feeling for walls. Sharp, singing tones that have all the color in the world, even though black, white and an infinite series of grays make up the gamut. Exactness of line never before achieved even by the postgraduate craftsman. The speed, the very stab of light itself, crystallized for walls as modern as the buildings in which they stand.

We've discovered that simple, direct forms work out much better than those elaborate in themselves. In the shadows of these forms, cast by modern lighting and picked up by the eye of the camera, we get a new and satisfying kind of pattern. But great care must be taken in the lighting. Just because the lens is so much keener than the naked eye, our initial experiments are apt to be disappointing unless we're camera-minded to an unusual degree. An arrangement that seems entirely right from the onlooker's standpoint turns out to be too irregular, too insistent, or too dark when the print comes through. An over-emphasis on dramatic lighting can easily turn a good composition into farce comedy. The same thing is true of the colors of the objects to be photographed. Even when these are kept high in key, many deeper values are discovered on the master print than appeared to the master photographer. White against white discloses the fact that white is merely a relative term, depending for its exact meaning on texture, lighting and placing.

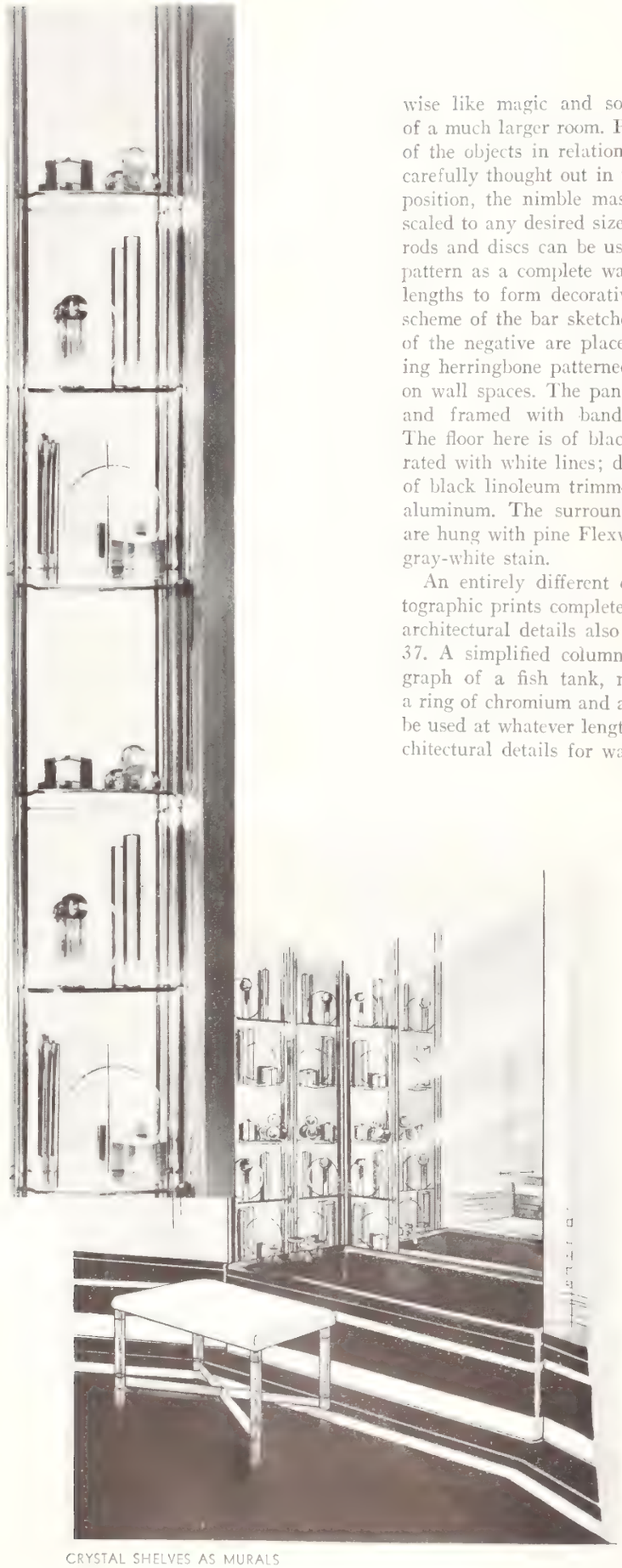
The illustrations in this article are from master prints by Drix Duryea, Thurman Rotan and the Whiting-Salzmann Studio and show some of the uses to which they may be put. Unlike wall paper samples, these prints are elastic. Whether they come in strips with running patterns that repeat, or in sections complete in themselves to be used as architectural details, they have no fixed dimensions, over-all or inside. The crystal objects photographed on mirrored glass and crystal shelves, shown on page 56, make an entirely original and very decorative mural for a bath-dressing room where the end walls of the bath tub niche are papered with the motif in reversed prints to make matching pairs. The niche is then covered with plate glass and the center space between the photographs is mirrored. In this case the object that is ten inches high on shelves five feet high can grow to an object twice the size on shelves twice as high if the proportions of a room suggest a change of scale. The crystal rods and discs on gleaming white flutes suggested for murals in the small bar shown on page 57 can expand side



Whiting-Salzmann

PHOTOGRAPHIC DESIGNS ON SMOKING ACCESSORIES

A [illegible] table and cigarette box decorated with appropriate photographic prints. From the Julien Levy Gallery. Suitable for curtains in a nursery or [illegible] the striking pattern above made by [illegible] on small scale [illegible] Drix Duryea [illegible] New York



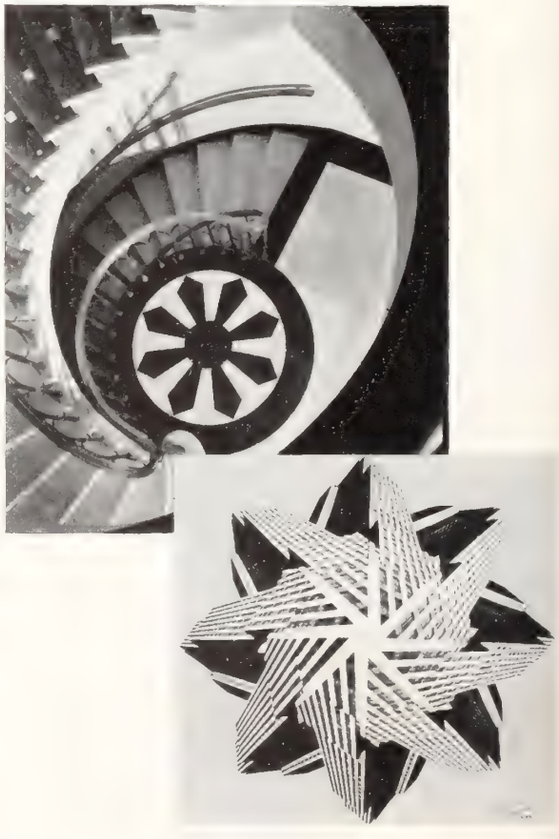
CRYSTAL SHELVES AS MURALS

wise like magic and soar to the height of a much larger room. Provided the scale of the objects in relation to each other is carefully thought out in the original composition, the nimble master print can be scaled to any desired size. This pattern of rods and discs can be used for a running pattern as a complete wall covering or as lengths to form decorative panels. In the scheme of the bar sketched, reverse prints of the negative are placed together forming herringbone patterned panels centered on wall spaces. The panels are varnished and framed with bands of aluminum. The floor here is of black linoleum decorated with white lines; dado and base are of black linoleum trimmed with bands of aluminum. The surrounding wall spaces are hung with pine Flexwood rubbed with gray-white stain.

An entirely different effect using photographic prints complete in themselves as architectural details also appears on page 37. A simplified column, being a photograph of a fish tank, metal book ends, a ring of chromium and a rod of glass can be used at whatever length required as architectural details for walls. This column treatment is shown in a round foyer giving access to four rooms—columns flanking each doorway. Walls are of silver-gray lacquer with white domed ceiling. In the center is a white pedestal and urn for reflector light. Floor is composition marble in maroon inlaid with circles of white. Doors have glass panels, sanded and carved, superimposed on mirror.

Yet the prints illustrated, versatile as they are, make up merely the first experiments in this new kind of decorative wall treatment. There remains an even more fascinating field in photographic prints custom-built to order, that do not repeat but cover the entire wall area of a chosen room. Scale drawings of the elevations of the room being made, each wall can be designed and set for a photograph, keeping the plan and the given openings intelligently incorporated in the composition. The theme and its developments having been studied in advance, this application of the medium produces a modern mural painting that owes nothing to the past, achieved through the eye and by the accuracy of the camera.

While photographic decoration needn't

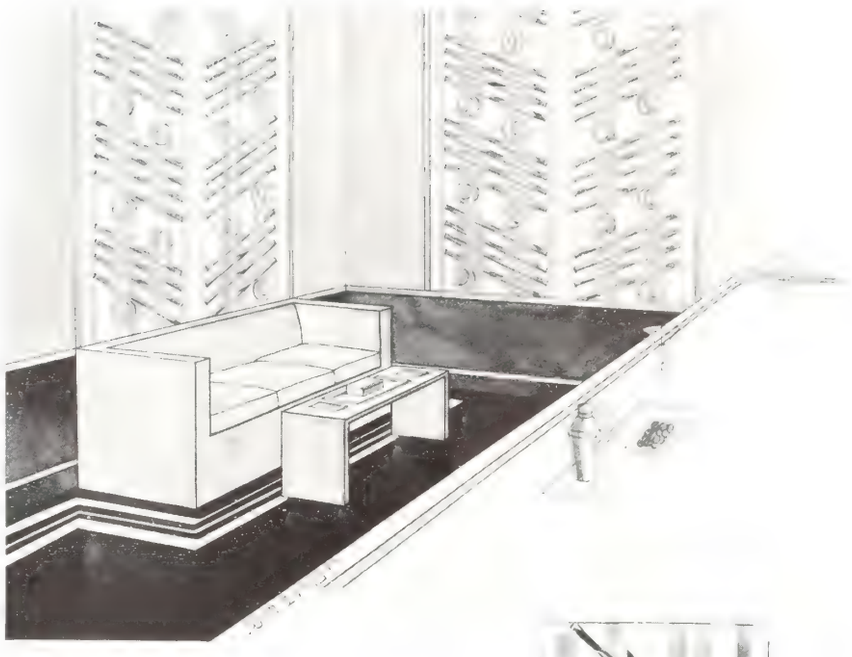


SKYSCRAPERS ON THE FLOOR

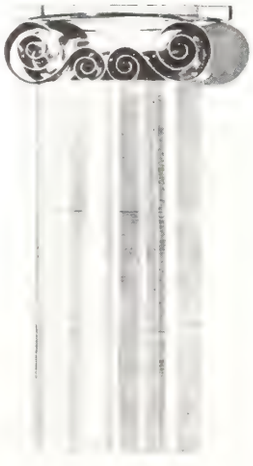
be limited to rooms of any particular type, it seems most appropriate to those for which we have no precedent in the past—the game room, the bar room, the bath-dressing room, the foyer or elevator entrance of an apartment, the entrance or the reception room of a business man's office in a modern building.

Taking the last case and supposing our man to be a manufacturer, we might hang his walls with a photographic mural showing a continuous design composed of the various machines employed in turning out his product, the prints projected to a large scale to give full emphasis and force to the subject. Nothing is more effective than these machinery forms and nothing more effortlessly dramatic than the way their sleek and shining surfaces take the light. The floor in such a room might be inlaid in conventionalized geometric patterns related to the forms appearing on the wall. The indirect lighting should reflect from a pure white ceiling. Metal furniture should be used and color details that carry out the machinery idea in dark reds, browns and black.

Or—to take (*Continued on page 82*)

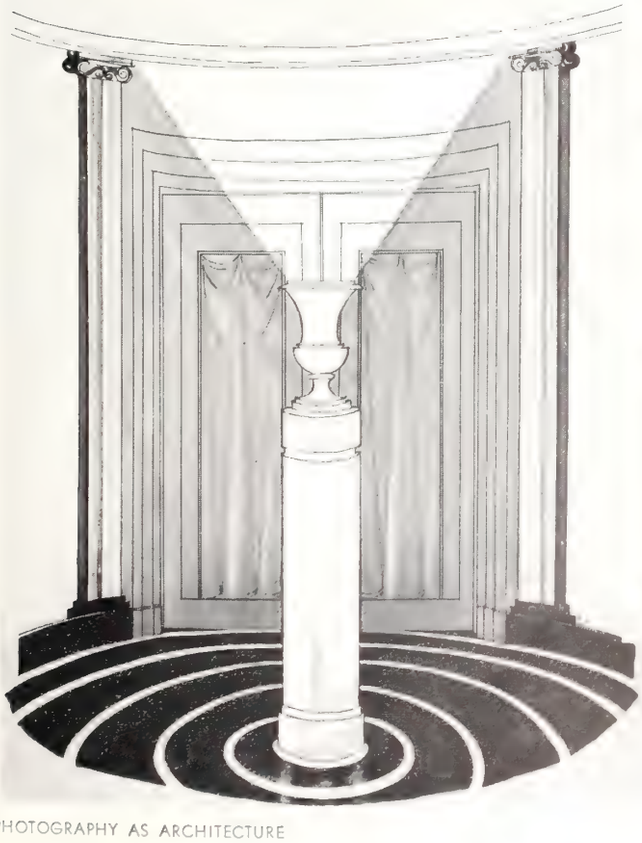


NEW MURALS FOR A BAR









PHOTOGRAPHY AS ARCHITECTURE

CRYSTAL rods and discs, three to be used in a random pattern as a complete wall covering, or as panels placed herringbone wise in a gilt bar. Glass ash trays topped by chromium book ends may also be applied to make simplified columns for architectural details in a circular room. Opposite, a glass table with crystal objects on glass shelves and mirror panels in a modern living room, and a silver paper plaque in Venetian

Exciting centerpieces— some fresh ideas for the hostess' table wardrobe





Eugene Hutchinson

THESE five unusual arrangements for the table were selected and composed by Mrs. Parmelee McFadden of Chicago. She has taken antiques and enlivened them with gay modern touches. The graceful 18th Century Austrian pewter epergne above is set on gold mirrors and the dishes are filled with red marzipan cherries and strawberries and green cabbages. It makes a charming luncheon centerpiece

NO DINNER could be dull with a centerpiece of Dresden pottery with brightly colored birds surrounded by gay artificial fruits and silver leaves. Every clever hostess knows that her table decorations are as important as interesting menus and good cooking. Her table wardrobe is collected over a period of years and a place is built to keep it in. Some of the pieces are brought out only on special occasions

DAINTY white figures of 18th Century Strasbourg faïence with Nymphenburg and Ming porcelain, on a silver and black mirrored plateau give this arrangement a modern twist. Collecting rare porcelains and potteries and assembling them for centerpieces has now become a hobby with smart women all over the country. In Santa Barbara recently, a group even held a competition for such settings

A DELIGHTFUL center for a summer dinner table is one using a painted tin Empire basket filled with red, white and blue flowers and green leaves. Combined with the rustic figures of opaque Baccarat glass on a mirrored base, it makes a cool and informal grouping. The advantage of reserve is aptly illustrated in the arrangement of artificial Calla Lilies in the modern metal bowl



Eugene Hutchinson





Gardens on Parade



THE SOUTH evidently thought of it first. Possessed of many beautiful and historic gardens, it decided to share their beauty and ancient association with the public. The world and his wife began to hear of the famous gardens around Charleston—Magnolia Gardens and the Middleton Place and the moss-festooned trees of Oak Alley. Recently another has been added to this roster—the Cypress Gardens wherein a swamp has been turned into a dream of unbelievable spring felicity.

Those who enjoyed beauty in gardens soon made a beaten path to these gates. It's a poor garden-lover today who hasn't seen them. Life still holds much for her to enjoy.

The second parade of gardens came with the hospitality of Virginians. The Garden Club of Virginia persuaded the "Plantation Ladies" along the James River and in other parts of the state to open their gardens for public visits. A fee of fifty cents per person was charged and if the visitor craved a view of the inside of the house another fifty cents was asked. This project met with amazing success.

From the half dollars that poured in, the Garden Club was able to undertake the restoration of Kenmore, the home of Col. Fielding Lewis at Williamsburg. Mrs. Lewis was Washington's only sister. This beginning gave great impetus to that town-wide restoration that Williamsburg is now enjoying. Then its attention was turned to work at Monticello, Jefferson's home. That task well under way, it has devoted its energies to restoring Stratford, the home of Robert E. Lee. This year the week of April 25th has been set aside for garden visitors.

For the second time the Garden Club of Lexington, Kentucky is offering a "Pilgrimage to Notable Estates of the Bluegrass". Over fifty estates, many of which have great historic interest, may be visited from May 19th to the 22nd.

Following the example of the South, garden owners in Westchester County, New York, and on Long Island have, for the past few years, opened their gardens to visitors, the money being turned over to local charities.

THESE facts are set down by way of preface to a movement that House & Garden would gladly sponsor.

In practically every section of the country, we have long since passed the frontier stage. There is scarcely a suburb or area of countryside but can now boast its gardens that are worth seeing. Some are small, some are large. Some have been professionally landscaped and many are the gardens of flower specialists who have done their own designing and directed, or themselves did, most of the work. No two of them are alike. They are as individual as the people who made them. They are filled with ideas for those who are planning gardens, or garden lovers generally who never are content with what they have and are constantly making changes and improvements.

The gardens are available. The next step is getting there.

It is becoming more and more the custom among Americans to tour the country. Whole families of Middle Westerners and Southerners migrate to New England each summer. And in other sections there is a like weaving in and out of people seeing their own country. Invariably they seek places of historic association. Any father is happy to point out to his children some building or spot that marked an event in our country's past.

For these Americans on tour there are ample directions to historic spots. Why should not other sections of the country learn from the South and Westchester County and provide gardens to see and directions for seeing them?

LET US suppose that Blankville, a suburb of splendid homes, has twelve really good gardens worth seeing. Suppose the owners could be induced, for the sake of some local charity, to open their gardens to public visitors. Suppose one day each week should be set aside for these visits.

Mr. and Mrs. Jones plan to take a tour this spring which will bring them to Blankville in April. According to directions supplied them, Blankville has two gardens open each day of the week for public visits. The Red Place, which has excellent Iris and Peonies and the Blue Place, which has a good rock garden, will be open on Tuesdays. It so happens that Tuesday is the day the Jones expect to reach Blankville. Here are gardens ready for them to see.

IN ORDER to make this plan feasible, it would be necessary for local garden clubs to turn into their state officers the names, locations, nature and best season of bloom and preferred days for visitors of the gardens in their neighborhood. These facts, assembled, could be sent to the national organization, which would arrange and issue information for travelers. In this work the garden clubs could easily find support from other local organizations and would probably find national business which is devoted to motors and motoring only too glad to lend a hand.

Some garden owners may protest that they don't want the public tramping all over their garden. The experience in Virginia is that the public is better behaved than these fearsome souls suppose. They may also protest that their gardens were made for their own enjoyment, not for the gaping of every Tom, Dick and Harry. True, but most of us can stand gaping one day a week, especially if it is helping along some pet charity.

These ideas are only a sketchy notion of what could be made into a great national movement. The benefits to be derived are beyond anyone's telling. Men and women everywhere would become conscious of garden beauty, would want some of that beauty around their own homes, and their homes would be richer and happier for possessing it.

—RICHARDSON WRIGHT



Walter Rutherford

With trumpets poised on stiffly military

stems the Lily armies mass their colors

Most famous of Bermuda's flowers, the Lilies spend most [illegible] and [illegible] in the North. [illegible] and is identical with the Easter Lily florists force in [illegible]



Recreating a dinner table at which George Washington might have played the host

A PATRIOTIC table inspired by the Washington Centennial is set with modern Spode in the blue butterfly border which occurred on the Society of Cincinnati Lowestoft china made for President Washington. Plates with plain centers, or decorated with your coat-of-arms, and sapphire glasses, from Macy's. Damask cloth in Colonial weave tinted gray-blue to match the china, with cross-stitch letter in darker blue. Mosse. French porcelain urns and basket of red fruits make a charming centerpiece. Mrs. Bruce. Adam candelabra. English Antique Shop; flat silver in the Empress pattern of International Sterling. Lord & Taylor

RED, white and blue Venetian vase opposite, from Benello & Pillori, surrounded by Early American thumb-print Heisey glass, Bloomingdale's; Edmondson Warrin striped glasses, Torlotting sapphire and crystal glass, Ovington's; balloon Dunbar design, Gimbel's. Right of blue Pairpoint bowl (Ovington's) is ruby Cappellin goblet matching ruby finger bowl; Fostoria topaz glass and Bryce goblet, Macy's. Left of bowl: red and crystal goblet, Plummer; Sloan glass, Macy's; Bryce goblet, ball stem, Plummer. Blue Corning glass finger bowl, fork, spoon, Altman's; hobnail glass liqueur set, Pavel; E. Warrin cocktail glasses, Ovington's



Bruehl Bourgeois—Photos Courtesy Nat'l Process

The glittering jewelry of the table



Italo-American entente of pottery for rooms in need of a spring tonic

THE festive pottery on this page is a product of the Lenci Studios in Turin. Madame Lenci, well-known for her entrancing dolls, is blessed with humor, rare color sense and a distinctly modern point of view. The bowls above, delightful bits of color and form, would cheer up any country house interior. Revelers in vivid yellow, henna and brown costumes careen across the upper bowl, forming a handle. On the bright yellow cover of the green, yellow and blue dish is a collection of brilliant fruit. Carbone, Inc.

WHILE more sedate in treatment than the bowls, these charming Lenci figurines are also conceived in a lighter vein. The group at the bottom—yellow, blue, green and pink, is as colorful as love's young dream. Benello & Pillori. A cream, yellow, mauve and black frock is charming on the beautiful lady holding a dove. Carbone. The figure bending over a tiny bird is sheathed in cream sprigged with spring flowers. Thedlow. The top figure is brown, black, green and pink. Benello & Pillori



D[illegible] browns and greens on écru. Montross Gallery. [illegible] centerpiece. American Encaustic Tiling Co.



B[illegible] flower arrangement, and the graceful curved bowl at the end of Roseville pottery which shades from soft gray to pinky beige. Altman. The graceful white vase with its decorative feather motif also comes in black, green or maize. Charles Hall



M[illegible]

Modern thought in window treatments expressed by four clever decorators



CHARMING curtains for this day of elaborate windows hang on an exposed pole, with valance looped through black and gold rings. Designed by Diane Tate & Marian Hall

PAINTED shutters, plants, and a bird cage are gay alternatives for curtains in the cottage window below. Closed, shutters make vivid notes against the walls. Pierre Dutel



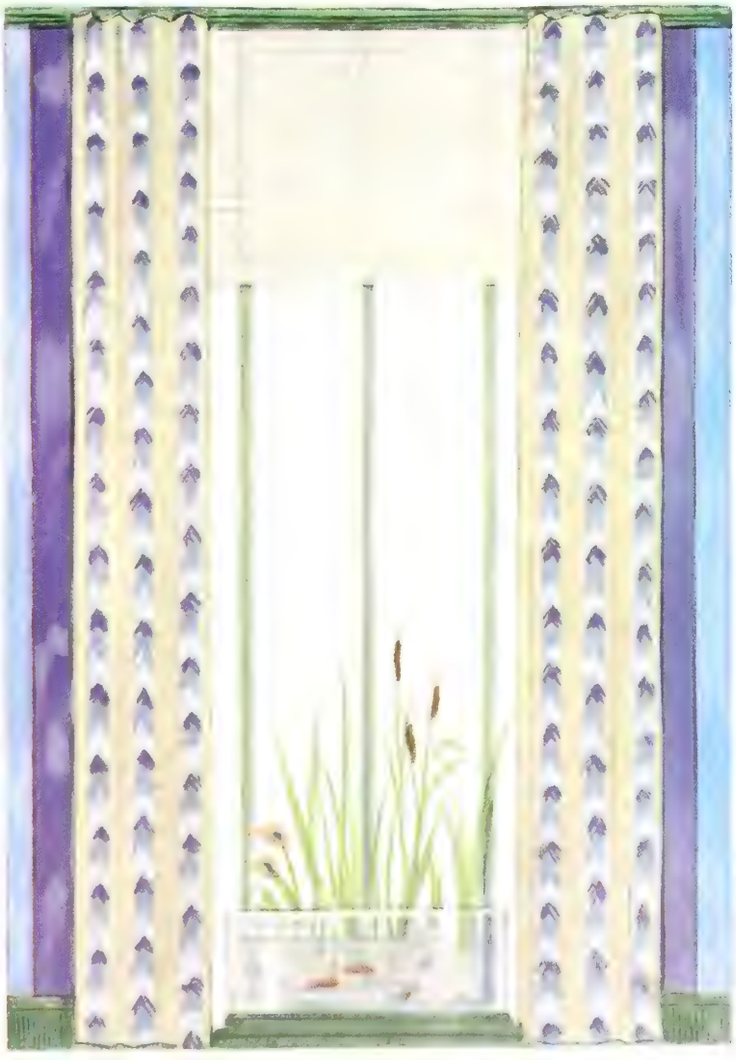


THE PROBLEM of casement windows is delightfully solved in this treatment of Venetian blinds, needlepoint valance and red and pink color scheme. Thedlow, decorators

CONTRASTING colors and fabrics are new notes in the window below, which has curtains hung in an effective manner. Valance is damask over horsehair. Jones & Erwin

TUFTING in shades of blue on white makes the unusual curtains below. Blue mirrored trim and the decorative aquarium add immeasurably to this scheme by Jones & Erwin

















When desert plants spring up from seed

PROGRESSIVE steps in growing Cacti from seed begin on the opposite page with 1, placing broken crock over the drainage holes in pan. 2, smoothing the soil mixture composed equally of leafmold, peat and river sand. 3, firming soil. 4, sowing after soil has soaked up water from below. 5, pressing down fine seeds and covering the larger with a little compost before placing glass over the pan to check evaporation. 6, six weeks after sowing; ventilate daily, water every second day. 7, first transplanting. 8, transferring to individual pots after six months or a year. At the right, on this page, an indoor Cactus garden. Directly below is a case for young plants









A French château on a Polish estate

This country home near Warsaw still retains the spirit of the old régime · By William B. Powell

In its heyday one of the gayest capitals of Europe, with charm and vivacity that combined the spirits of Paris, Vienna and St. Petersburg, Warsaw has lost much of its esprit through many vicissitudes. The smartest Polish families now live, for the most part, on large estates in the country, where life goes on in a manner that is almost extinct for our age; estates that are managed on a practically self-supporting feudal basis.

Of the great families who still own and operate these large tracts of land, the Potoscki clan is probably the most famous. While their huge holdings of pre-war days in almost every part of Poland have been severely diminished, they are still quite extensive. An example of the degree by which such Polish property-owners have suffered from the war and its ensuing treaties is furnished by Count Roman Potoscki, whose estate on the Russian frontier has been cut from 100,000 acres down to 6,000.

Another member of this patrician family, the Countess Joseph Potoscki, has leased her city residence, the famous Potoscki Palace, one of the show-places of Warsaw, for the American Embassy, and here Ambassador and Mrs. Willys live. Priceless *objets d'art* which have been in the Potoscki family for centuries lend to the dignity of the interiors.

Since the Embassy has occupied the palace, Countess Potoscki spends most of the time at her beautiful villa just outside of Warsaw, pictures of which are shown. Although only seven miles beyond the city limits, this villa, which in tribute to its feminine grace and beauty has been named Natalie, gives the impression of being quite far out in the country—an impression heightened by the length of time it takes to reach it from the city, due to extremely poor roads that make the drive a tedious one. In the early spring days these roads are said to be practically impassable by motor car.

The approach to the villa is made along a wide driveway which winds through acre after acre of thickly wooded virgin forest. Just after leaving the entrance gates behind, the ruins of a small Greek temple, so perfect in appearance that it might well have been transplanted direct from the Acropolis, come into view at the right. This, it is interesting to know, was built at the time the château itself was erected—toward the end of the 17th Century. It was, however, a ruin even in its early days, in fact was purposely built as one. Even to the extent of growing moss up its steps and obscuring its sides with closely grown trees has the simulation of age been carefully carried out.

Drawing up to the entrance of the little French château it might be thought that there was a party going on. Due to the garlands of Laurel that are festooned over the façade, the residence has a most festive air. But these Laurel ropes do not signify a special occasion—they are always there, and though they would seem too fussy upon most houses, appear quite appropriate for a villa having such a bijou air. Closer inspection of this façade discovers the fact that the central, shuttered window above the doorway is not real, merely painted in place—an excusable architectural artifice that finds much precedent in both France and Italy.

The opposite face of the villa is indented with a semi-circular loggia whose richly ornamented domed ceiling is upheld by Ionic





Just after turning into the estate of Countess Joseph Potoscki, the ruin of this Greek temple comes into view. Although built at the same time as the château, it was purposely erected to be a picturesque ruin. (Right) While the country residence of the Countess is really very small in size, the scale has been so well worked out that it gives the impression of being much more spacious

columns of classic proportions. Looking off from here a glorious panorama unfolds to the eye. Flower-dotted lawns stretch out two hundred yards to a promontory overlooking a scene that is as romantic as the villa itself. The site of the residence is very high for Warsaw—in fact, it is the highest spot in the countryside for miles about. Directly in front is a valley such as Corot would certainly have loved to paint. In the center, a peaceful Willow-lined stream ripples its way through lush meadows where cattle graze. The dense woods at either side of the meadows have been cut through to allow sight of the narrow valley. This is the view which guests have from the loggia while the Countess Potoscki pours tea.

Though small in size, the house is a real gem of its type. Besides the owner's bedroom, a hallway and a tiny writing room, it contains only a dining room and a sitting room.

There is a separate building for the use of guests, and another for the servants. Like many another place, the villa went entirely to pieces during the Great War, having at various times been occupied by Russian and German soldiers who had little appreciation for, or consideration of, the exquisite reliefs on the walls, the carved marbles and the fine old pieces of furniture. Countess Potoscki, being a dauntless and energetic woman, has gone to work with a will and little by little she has restored Natalie well along toward its original high state of perfection.







THE CLASSICIST of 18th Century design is interestingly reflected in the interiors of the Potoscki villa in Czernice, Cornices, niches, door cases, wall plaques, all exhibit the rather ornate but magnificent elaborate detail of the period. Most of the furniture and accessories shown have been in the Potoscki family for centuries.

AT THE LEFT is the entrance front of the thirteen room villa Countess Joseph Potoscki, who makes it her home during most of the year, shown before it. Although damaged through its occupation by troops during the World War, this building has since been brought gradually back to its original condition by the Countess' ambitious efforts.

Where decorators work out their bright ideas



MARGERY SILL WICKWARE



NANCY McCLEAN

THE ILLUSTRATIONS on this and the following two pages prove the fallacy of the old saw that farriers' mares and shoemakers' children go unshod—at least so far as interior decorators are concerned. For it is evident from even the most casual study of this group of five offices of prominent New York decorators that these artists fervently believe in practising what they preach. Each of the settings shown is exciting decoration, characteristic and individual in design and treatment. Yet, though differing markedly from each other, and ranging from the subtle 18th Century French schemes shown on this page to the dramatic modern interior of metal and glass opposite, all of these offices are rich in suggestions which may easily be adapted to the private house or apartment. And not the least arresting feature of these photographs is that they reveal, in surroundings of their own making, the talented originators of so many successful decorative projects.

In these very offices have originated many of the provocative ideas which it has been our privilege to present from time to time to the readers of House & Garden, thus helping in no small degree to make present-day living infinitely more charming.



ROBERT E. LOCHER

MRS. WICKWARE used subtle, fragile colors in her French office. Gray-blue taffeta curtains with Empire leaf border in antique white hang against walls the same cerulean shade. Chairs are in softly toned chintz and ivory damask, plum rug

IT IS most fitting to find wall paper in Miss McClelland's office as she is largely responsible for the great interest in papers today. Louis XV panels, blue-gray and pinks on terra cotta walls, inspired the colors of curtains and Aubusson rug

IN THIS modern silver-gray, black and mirrored setting Mr. Locher develops his brilliant designs. Exciting notes are the gray, white and black floor, mirrored ceiling and white leather furniture. Accessories are of chromium metal

MR. ERWIN'S office, done entirely in skin colors, has walls grained the creamy beige tones of the calf skin used to veneer the desk. Textiles are sand-colored corduroy, cream tufting and beige calf skin. The darkest note is the cork floor





Here Diane Tate and Marian Hall conceive their engaging schemes

MISS TATE foreshadowed the vogue of dark walls by having the background of her office painted in deep blue. Pink moiré curtains and old scenic paper panels stand out as brilliant notes against this interesting ground. Miss Hall plans her smart schemes in a French room adjoining, done in beige and old whites

Sane surgery to help the flowering shrubs

Temper your pruning shears with wisdom if the patient is to benefit · By Francis Hastings Gott

THE cycle of the seasons once again brings sunny days, swelling buds, early flowers and the unmistakable invitation to come out into the open. This invitation may be construed in different ways. It may suggest an automobile ride, a walk through the fields or the ever-interesting spring cleanup of the home grounds. The latter phase is sure to be followed at one time or another, so a few words regarding an important part of the work involved may be helpful here and now.

Pruning of the shrubs about the ground is a subject on which there is a great deal of ignorance and consequently much lack of intelligent practice. Each spring the butchery of the flowering shrubs is repeated both by untrained gardeners and by well meaning folk who regard trimming as a great and supposedly necessary part of the spring work. In consequence of this a great deal of harm is done every year and the quantity of flowers which we might enjoy is greatly reduced.

It is true, of course, that some shrubs do require pruning in the spring, but they are in the minority. The greater portion of our flowering shrubs suffer each spring because of a firmly rooted but misguided theory that they, like fruit trees, should be trimmed in the spring.

The general rules governing the pruning of shrubs are so simple that ignorance of their principles cannot be condoned. By adhering to them you can improve and increase the quality and quantity of flowers produced. If you do this work yourself be sure that you are right and then proceed. Do not prune simply because your neighbors are doing it or because some unknown man appears at your door and tells you that your shrubs need pruning. Your neighbors may be mistaken and the would-be trimmer may be much more in need of a job than your shrubs are in need of his services. If you feel that something should be done at least make certain that the surgeon knows his business and is not advocating the work just to supply himself with an easy job for the pleasant days of early spring.

There are only three reasons why plants should be trimmed: first, to keep them within bounds; second, to form them into proper shape; and third, to insure plenty of flowers the following season.

The first reason could be largely eliminated if, when planting, the proper shrub were selected for the location. There should be a reason for the use of each shrub and its ultimate height and form should be carefully considered before planting it. Where the available space is limited shrubs should be used which will not grow out of bounds, in this way eliminating the yearly need of cutting back severely a robust growing shrub unsuited to the situation.

Pruning to preserve the form of a shrub, our second reason, is largely governed by the necessities of the location. Wherever a plant has room to develop, give it free scope and cut out only dead or damaged branches. The natural form of a shrub is always more beautiful than a shape in which the marks of man's alterations are evident—except, of course, in the case of dense, severely formal hedges.

This leaves only the third reason to be considered: pruning to insure flowers for the next season. In general the idea that flowering shrubs, like fruit trees, need to be trimmed every spring is wrong. The only shrubs that should be trimmed in the early spring are Roses and the late flowering shrubs—those that bloom after midsummer—such as Althea and Hydrangea. The great majority of the flowering shrubs, however, bloom in spring or early summer, the flower buds being formed on the new wood produced during the growing season of the (Continued on page 84)

A pruning chart for deciduous shrubs

BOTANICAL NAME	COMMON NAME	NOTES
	MARCH	
Amorpha fruticosa	Indigobush	Cut to ground
Berberis thunbergi	Japanese Barberry	Do not cut back
Berberis vulgaris	Common Barberry	Do not cut back
Buddleia in variety	Butterflybush	Cut to ground
Hibiscus syriacus	Shrub Althea	Cut back severely
Hydrangea in variety	Hydrangea	Cut back severely
Ligustrum regelianum	Regel Privet	Trim sparingly
Lonicera (fruited vars.)	Honeysuckles	Trim sparingly
Rosa—Hybrid Perpetual	Hybrid Perpetual Rose	Prune by 15th. to 15"
Rosa rugosa	Rugosa Rose	Prune to keep in form
Rosa rubiginosa	Sweetbrier	Remove old wood
Spiraea Anthony Waterer	Anthony Waterer Spirea	Cut ½ last year's growth
Symphoricarpos racemosus	Snowberry	Remove old wood
Symphoricarpos vulgaris	Coralberry	Remove old wood
Viburnum (fruited vars.)	Viburnum	Leave unpruned
	APRIL	
Rosa—Hybrid Tea	Hybrid Tea Rose	Prune before Apr. 15th.
	JULY	
Chionanthus virginica	White Fringetree	Shorten stray shoots
Cornus in variety	Dogwood	Remove old wood
Cydonia japonica	Japanese Quince	Trim to preserve form
Deutzia in variety	Deutzia	Trim sparingly
Exochorda grandiflora	Common Pearlbush	Trim sparingly
Forsythia in variety	Forsythia or Goldenbell	[illegible]
Kerria japonica	Kerria	Remove dead wood
Laburnum vulgare	Goldenchain	Shorten stray shoots
Ligustrum ibota	Ibota Privet	
Lonicera fragrantissima	Fragrant Honeysuckle	
Lonicera standishi	Standish Honeysuckle	
Magnolia in variety	Magnolias	Trim sparingly
Malus in variety	Flowering Crab	Cut back when young
Paeonia moutan	Tree Peony	
Philadelphus in variety	Mockorange	[illegible]
Prunus triloba	Flowering Plum	Cut budded plants severely
Prunus persica	Flowering Peach	Cut budded plants severely
Prunus padus	European Bird Cherry	Cut budded plants severely
Rhodotypos kerrioides	Jetbead	[illegible]
Ribes aureum	Slender Golden Currant	
Spiraea billiardi	Billiard Spirea	Remove old wood
Spiraea prunifolia	Bridalwreath	[illegible]
Spiraea vanhouttei	Vanhoutte Spirea	
Syringa vulgaris	Common Lilac	
Syringa persica	Persian Lilac	
Viburnum (flowering vars.)	Viburnum	[illegible]
Weigela in variety	Weigela or Diervilla	Trim sparingly

GENERAL RULES

Trim early flowering shrubs just after they bloom. Trim late flowering and fruit bearing shrubs in the early spring. Study the need of each shrub and trim to satisfy the condition. Always try to maintain the natural [illegible] Use sharp tools sharp. Cut cleanly. Do a thorough job. After [illegible]



Horizontal planes to chart the course of Europe's modernism

GIVEN a free hand in the design of the Tugendhat house at Brno, Czechoslovakia, Mies van der Rohe, one of the foremost European modernists, accomplished noteworthy results. Accenting horizontal planes and the gaining of decorative effect through materials rather than applied decoration are basic factors

THE most striking feature of the house is the substitution of great glass panels for the usual exterior wall surface over much of the first story. These may be electrically lowered into the cellar. Thus, when desirable, a large part of the interior becomes a covered terrace, at other times a glassed-in sun room









ALTHOUGH divided into separate units, the ground floor is given an atmosphere of spaciousness by treating interior walls as partitions, in many cases not even actually closing off a room but defining only part of it. Slender steel posts rather than the walls are the supports that uphold ceiling and second story. Partitions vary in material from macassar wood to slabs of onyx or transparent or translucent glass hung by drawn curtains of silk or velvet

Health hints for your favorite flowers

As the plant is fed and cared for so doth its bloom incline · Brief advice by Robert Lemmon

ANY way you choose to look at it, there's a lot of human nature in flowers. All of them must eat, for one thing, that their food may be converted into growing tissues and lovely forms divine, even as yours and mine (?). They all drink—spirit of Carrie Nation, what habitual drinkers some of them are! Indigestion, too, often lays low not a few, and as for being ill at ease in an uncongenial environment—why, they can be just too sensitive for words. It's even a fact that some of them—Pansies, for instance—actually have human faces.

But it is really in the physical field that the closest analogies lie. You can't constantly starve a child or feed him on pickles and peach ice cream without his paying you back with spindly legs and pinched face. No more can you slight your flowers' figurative oatmeal and spinach. Their requirements are quite as varied as those of any group of children imaginable—probably more so. If you, as their patron saint and protector, proceed on the principle that what is good for one horticultural goose is likewise sauce for another horticultural gander, the local garden club will probably brand you as an infidel and at its next regular meeting somebody is likely to make a motion that you be thrown out by the seat of—well, anyway, that you be thrown out as utterly unworthy of your calling.

All such facts being as they are, it seems fitting at the commencement of this our newest gardening season to set down briefly a schedule of important factors in the affairs of certain flower favorites to which life does not always accord the breaks they deserve. For obvious reasons many intimate details have been deleted and effort directed toward the production of a sort of concise Hollywood Diet crossed with What Every Young Gardener Should Know in the latitude of New York.

So, with these words by way of introduction—hark ye, hark ye to what and when you should do with your:

DELPHINIUMS

FEBRUARY 1ST.—28TH. Sow seeds indoors or in a hotbed. If the seedlings are kept coming along they will give some bloom this year. Always use seed less than a year old.

MARCH 1ST.—31ST. Transplant seedlings to flats when true leaves appear.

APRIL 1ST.—15TH. Remove mulch from outside plantings, if any was used. Cultivate and apply bone meal and pulverized sheep manure around clumps. Dust around plant crowns with dry Bordeaux mixture. Divide three-year-old plants as soon as growth appears. Set out new plants. Soil should be sandy loam, moderately alkaline, deep and well drained. Enrich with bone meal and old manure.

MAY 1ST.—15TH. Begin staking when stalks are 2′ high. Cultivate and keep watered in dry weather.

JULY 1ST.—15TH. Cut off 1′ above ground those stalks which have entirely finished flowering, except those being kept to ripen seed. Top-dress again with bone meal and sheep manure. Keep well watered all summer, for second blossoming in September.

AUGUST 1ST.—OCT. 1ST. Sow seed from your own plants as soon as ripe. Give seedlings light winter mulch or carry over winter in a coldframe.

OCT. 1ST.—31ST. Set out new plants.

NOV. 1ST.—15TH. Cut off all growth just above ground level. Dust soil with dry Bordeaux.

BEARDED IRIS

MARCH 1ST.—15TH. Clean off and remove all dead foliage. Many people burn over the planting to accomplish this and destroy germs and pests.

APRIL 1ST.—30TH. Sprinkle soil around clumps with mixture of four parts bone meal and six lime (by measure) and rake in lightly.

MAY 1ST.—JUNE 30TH. Snip off dead flower heads. Keep weeds under control.

JULY 1ST.—AUG. 15TH. Divide and replant old clumps, beginning with those which blossomed earliest.

AUG. 15TH.—SEPT. 15TH. This is the best time to make new plantings. Have the soil well drained, sunny, alkaline rather than acid, and well supplied with humus. If manure is used at all, it must be very old. Bone meal is a safer fertilizer.

NOV. 1ST.—30TH. When the ground has frozen, mulch new plantings with dead leaves, straw or evergreen boughs.

BEARDLESS IRIS

MARCH 1ST.—15TH. Burn over or otherwise clean up dead foliage, for the sake of the appearance of the beds as well as to destroy possible insect eggs or larvae.

MARCH 15TH.—APR. 15TH. Rake in a top-dressing of good leafmold with which tankage has been mixed. Use no lime on these Irises.

JUNE 1ST.—AUG. 1ST. Water weekly for a month before blossoming—especially the Japanese forms. Withhold water after flowering.

AUGUST 15TH.—SEPT. 15TH. Transplant, divide, set out newly acquired plants. Give good leaf-moldy soil, good drainage and fair amount of sun.

NOV. 1ST.—30TH. When ground freezes, mulch new plantings with dead leaves.

ONCOCYCLUS IRISES

MARCH 15TH.—31ST. If grown in well-drained coldframes (the surest way), remove sash and other protection. Keep well watered until flowering is over.

JULY 1ST. Replace sash (raised for ventilation) in order to keep off rain and insure a good baking for the rhizomes. Leave in place until late fall, then remove until really severe weather sets in. For winter, partially shade sash to prevent too much temperature change.

NOV. 1ST. Plant new rhizomes in the frames, in light, well drained soil.

ROSES

MARCH 1ST.—15TH. Prune the Hybrid Perpetuals, cutting the weakest ones most severely.

MARCH 15TH.—31ST. Prune the Hybrid Teas and spray all bushes with Bordeaux or other good germicide.

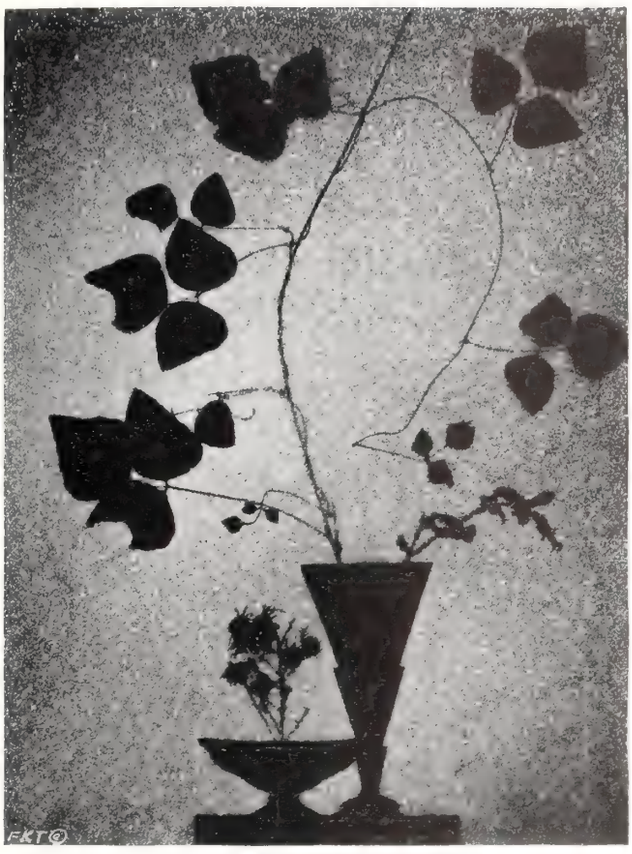
APRIL 1ST.—15TH. Prune all Noisettes, regular Teas and Bourbons. Also plant dormant Roses of various types.

APRIL 15TH.—30TH. Winter protection removal can be started. Take off a little at a time so as to accustom the plants gradually to the exposure. Cultivate around plants and scratch in bone meal, lime and wood ashes. Spray with Bordeaux.

MAY 1ST.—15TH. Set out potted plants. Cultivate regularly and watch for insect pests. Spray with nicotine solution.

MAY 15TH.—31ST. Disbud weak plants. Spray with good nicotine solution.

JUNE 1ST.—15TH. Keep on watching for pests. Dis- (*Continued on page* 86)









Drawings by Florence K. Tamarkin

Silhouette value in flower arrangement

Textural effects of flower groups outlined against a plain wall or in low tones in the half light of dusk, and the dramatic interest of form makes itself most apparent. Such results are obtained with a few sprays of blooms arranged in a receptacle that either has decided relation to the flower mass or simply



New wall paper designs tell a tale of Springtime

1. Blue and white ships on a lilac sea —persuasive background for Early Americana. Barrie & Desmond. 2. A new Strahan design—pink bows on a deep yellow ground. Thibaut. 3. Panels of pinky beige embroidery on old blue have a Biedermeier flavor. Wall Paper Exchange. 4. White, silver-dotted paper decorated with pink flowers. Elsie Sloan Farley 5. Red and blue stars on a field of white for a Federal scheme or a boy's room. Wall Paper Exchange. 6. The Victorian lace curtain returns on a Birge paper. Thibaut. 7. Fruits printed in gold-leaf on pale, gray-green. Thibaut. 8. A green and pink plaid paper comes in strips for paneling and a wider, draped effect for borders. Barrie & Desmond





Grassy open spaces spell garden peace

UPON the presence of level, unplanted areas depends much of the repose in landscaping design; such spaces relieve the eye of effort and provide contrast. Here are three demonstrations of the principle: a path among Rhododendrons, a tree-surrounded lawn, and a little garden at the home of Nathaniel L. Miller, Ridgefield, Conn.





French 18th century manoir design for Wisconsin living

THE HOME of James R. Anderson at Kenosha, Wisconsin, has been carried out in the distinctive fashion of the late 18th Century French manoir houses. Except for a service wing which extends at the right, parallel to the street, the design is symmetrical, consisting of a central unit flanked by subordinated wings. Sand color plaster walls are supplemented with stone quoins, cornices, and door and window trim. The roof is of shingle tiles in reddish black tones

TO THE right is shown the street façade. The house was placed as near the street as possible to allow maximum lawn space to be used in common with Mrs. Anderson's parents, whose home lies to the south. A rear view is given below. A flagged terrace lies between wings, at the edge of which begins a broad lawn that stretches practically unbroken to the other house. Ralph Milman & A. S. Morphett, architects; Helen B. Milman, landscape architect

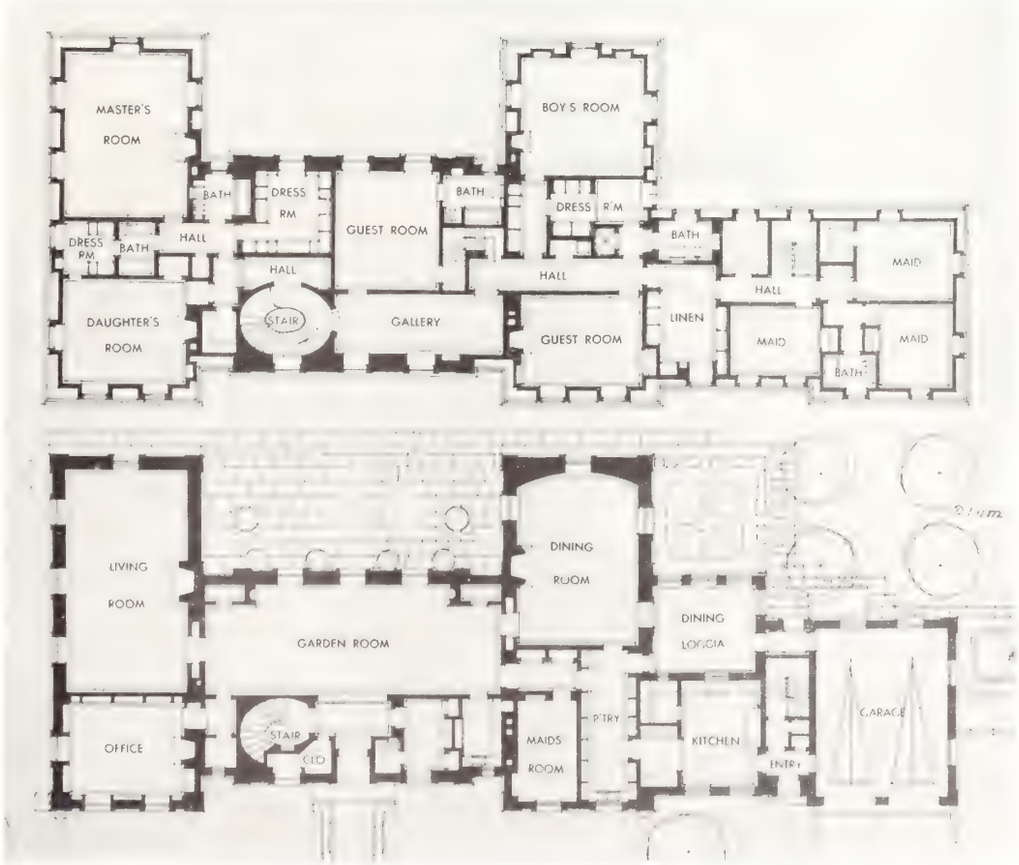




Heurich-Blessing

THE EXTERIOR design was largely influenced by the owner's requirements that windows be in single units, quite tall and reach to the floor. A feature of the plan is the generous entrance hall or garden room, intended as a place for children's parties. The staircase as seen from the entry is shown on the opposite page

WHILE this house is arranged to facilitate entertaining on a fairly generous scale, the more intimate phases of home life were given adequate consideration. Living room and office, which is also the library, are well lighted and their distance from the service wing is also a feature. A dining loggia is provided for summer use







THE SUMMER Palace of the Korean Emperor at Seoul is situated in the center of a Lotus pool. A stone runway gives access. The building rests upon stone supports, and square, tapering columns of stone carry a second floor built of wood. Gray tiles cover a roof that is typically Chinese in form

COVERED passageways such as the elaborately decorated one at the left connect the various buildings of the Chinese Summer Palace at Peiping. These walks, as well as all the buildings used by the Chinese Imperial family, are surmounted with yellow tile roofs, this color being reserved exclusively for their use

Celestial gardens without flowers

By Henry A. Phillips

ALL MY life long, until I visited the Orient, I had been accustomed invariably to associate gardens with living flowers. Gardens existed for the sole purpose of growing and displaying flowers, just as certainly as flowers germinated from seeds. A somewhat parochial idea, I was to learn, together with many other new conceptions of things and life. The Orient does such alarming things to you.

In the Orient I soon learned that the whole of life and its living bore a pleasing analogy to a garden, each commonplace phenomenon, circumstance and object taking on something of the character, fragrance and ornamentation of flowers. Imagination was implicit, however, for the garden was largely in the mind. The garden idea and the garden principle were widely applied to life. So in time I became personally aware that where there was a garden implanted and cultivated in the mind, that mind's whole world was bound to be strewn with flowers!

Long before I went to the Far East I recall having witnessed a lovely example of this mental floriculture without seeing in it anything more than a passing theatrical flourish. In the production of that delectable Chinese dramatic morsel, *The Yellow Jacket,* the heroine invites the hero to climb the garden wall, which he does by standing on his horse. Once within the garden, she plucks a flower and tenderly places it within the folds of his jacket, against his breast. But—there was actually no wall, there was no horse, there was no garden, no flower. Although I find myself saying that there was none of these things upon the stage, yet they were as firmly implanted in my mind and heart as any other knowledge I possessed. What advantage was the implied stage garden after all? A flimsy "prop" garden of papier-mâché walls and paper flowers would have been none-the-less a make-believe garden; furthermore it would have blunted our imaginations, for each of us in that audience had begotten his own garden—not a Chinese garden, but an English park, may-

hap, or an old-fashioned garden in the hills of New England; maybe a formal garden on the edge of an Italian lake at twilight. A garden of pure dramatic poetry in which we each had lingered at some equally enchanted hour!

China has been called the "Mother of Gardens". Certain I am that the images of gardens and flowers do not flourish as widely in any other country—flowers of thought, flowers of speech, flowers of manners. Even the ideographic symbols used in writing and printing their language are flowery in form and have a fluid poetry of meanings that permit full poetic license in translating any given word into a score of flowery interpretations, according to the garden of thoughts cultivated by the reader.

A garden, then, to the Oriental, as you may surmise, is any secluded spot in the earth, in the heavens or in the imagination where are garnered, cultivated and cherished certain "flowers", or precious symbols—be they stones, or bronze, or tiles, or marble, or wood, or what not. The slightest touch of the imagination transforms and transmutes these similitudes of Nature into gardens and garlands.

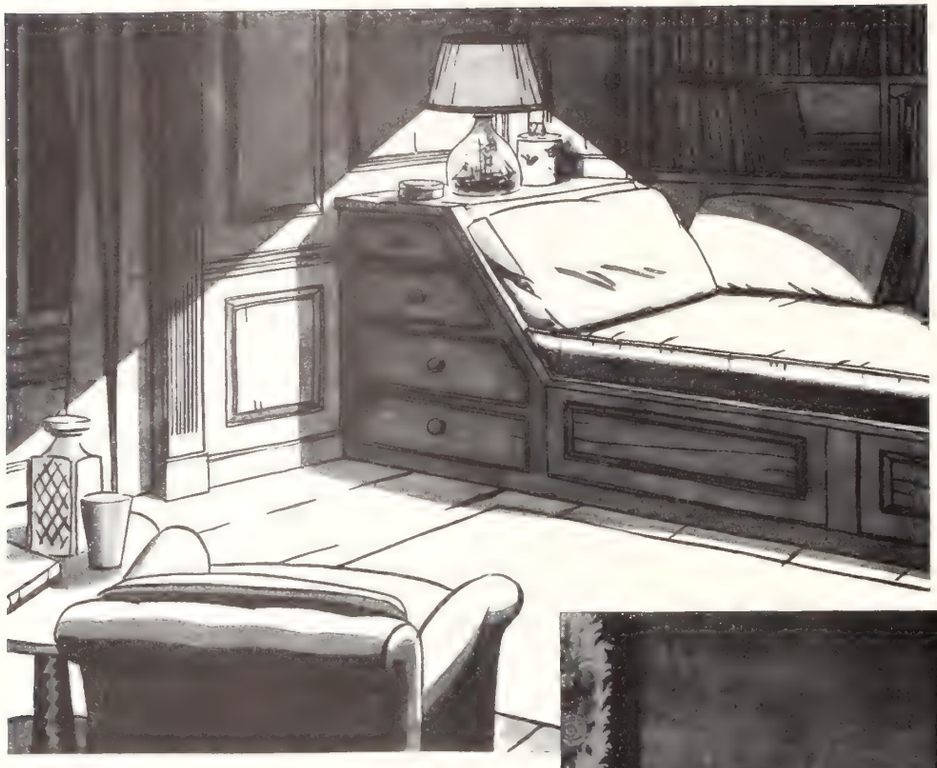
Meanwhile we Western Hemispherites, in our prosaic frankness, so often rudely turn our backs on the blandishments of Nature and her proffered boutonnières, on gardens and flowers and other symbols of Beauty. But that is only the crude mark of children not yet grown up to the esthetic ways of culture. When a nation begins to yield to gardens and flowers and makes them a part of (*Continued on page* 74)





In the flowery language of the Celestial, the structure pictured here is the name "Pavilion of the Sound of Rippling Waters Like Jade". It rests upon a stone bridge over a small pool in the Lu Yuan Monastery at Hsi-hsiang, China. Peonies and lotus and birds adorn every one of the carved stone panels

At the end of the great Palace of Purity garden is a pool filled with Water Lilies. Here is one of the bridges leading to it. While the general form of the bridge might seem just another [illegible] instinct, the shape serves a practical purpose [illegible] under the bridge without [illegible]

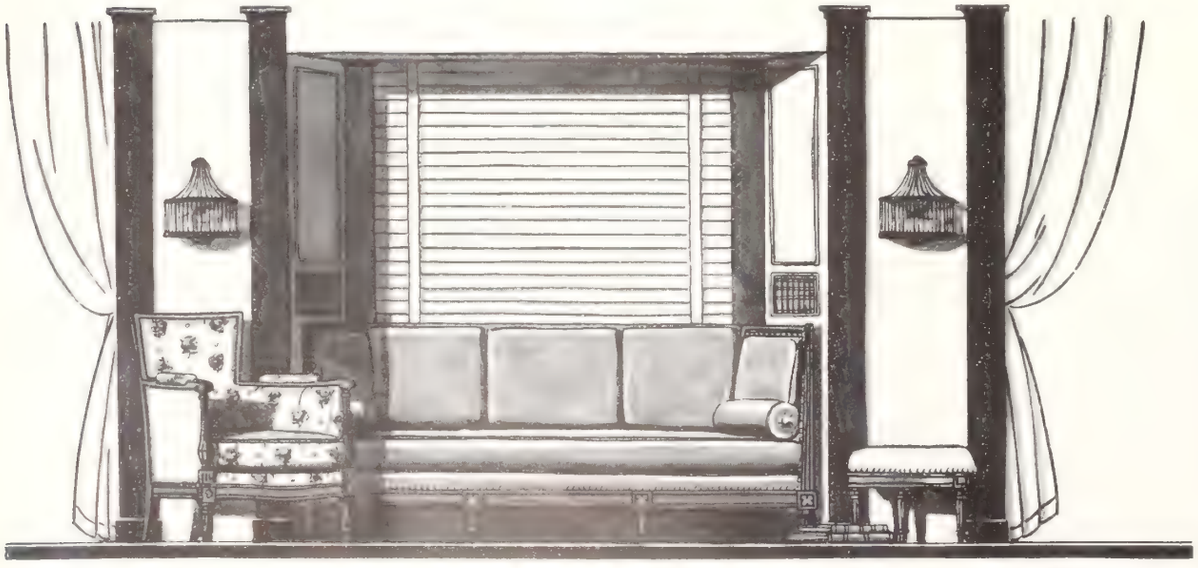




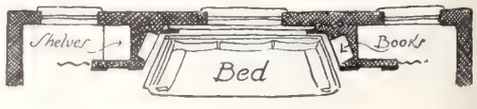
Couches by day—beds by night

For a man's one-room apartment, or to provide an emergency bed in a library or study, the scheme above is offered. Head and foot are identical and provide convenient drawer space. Cushions are covered in plain material to harmonize with the window curtains

To the right is a feminine companion for the idea above. Mattress and springs set upon a low wood frame. The interesting backboard is a padded framework encased by a slip-cover which can be made up in any desired pattern by Wycombe, Meyer, Inc.



An alcove built into a living room in the manner sketched at the left contains a long sofa-bed in wait for unexpected guests. The small window behind the sofa is concealed by a colorful Venetian blind that makes an interesting background for the entire alcove. Built-in bookshelves add to the interest of the arrangement



What's new in building and equipment

These recent developments will interest home owners and builders · By Gayne T. K. Norton

METAL LATH FOR TILE BACKING. A special type of metal lath has been placed on the market as backing for an enamel tile wall. It consists of sheets of metal so punched that many short pieces in pre-arranged location project at right-angle to the plane of the sheet. These afford a grip which holds the standard size wall tile in position upon the wall.

Several advantages are pointed out for this method of securing wall tile, by the Mortenson Engineering Company, manufacturers of the metal lath. The finished wall is said to be stronger and more fire resisting, with cracking of tile finish eliminated and falling out of tiles prevented. It is seen as of particular advantage in remodeling work where the lath may be nailed directly over old plaster at a great saving of time and labor, and with the elimination of much of the dirt invariably caused by the wrecking of old plaster. Saving on labor is so great, it is claimed, that genuine tile walls may often be installed at hardly greater expense than some less desirable substitute.

ELECTRIC HEATING PLANT. A machine which uses low cost electricity has recently been announced for house heating. Consideration has been given to the fact that economical rates are offered to consumers whose service requirements are limited to certain periods. The heater is designed to burn electricity at such predetermined times, storing up the heat for use during busier hours of the day. A most modern heating fuel is thus brought within reach of many who could not otherwise give it serious consideration.

The electric heater, as manufactured by Hall Electric Heating Company, comprises three main parts: a thermal tank, heating units and automatic control. The tank, which is kept filled with water, is cylindrical in shape and may range in size from 600 to 1600 gallons capacity, depending upon heating requirements. Surrounding it is a rectangular enclosure of insulating board, the space between the two packed with rock-wool, a most efficient material to hold the heat in and prevent its waste.

Copper tubes of standard hairpin design constitute the heating units. They are immersed in the water at the bottom of the tank, with well insulated inner resistance coils which are connected to electric terminals. A wall thermostat, to be located in a first floor room, is equipped with day and night controls so that the exact temperature desired in living rooms may always be maintained.

To establish the cost of operation low enough so that a demand for this modern heater may be created among home owners, it is constructed to burn "off peak load" electricity exclusively. This phrase is the designation given at the power house to electric current generated during the hours from midnight to six A.M., and the shorter periods during the day between nine and eleven and three and five, when demands for service are slight. In the effort to stabilize the operation of power plants, a very low monthly rate is offered for equipment automatically timed to use current only during these hours.

A flow of electricity during these "off peak" periods raises the water in the thermal tank to high temperatures. It is held at 250 degrees F. for long periods by means of the efficiency of the enclosing insulation. The constantly available fluid heat, ready to instantly meet any sudden demands, provides uniform comfort in the home, regardless of outside temperature.

DOUBLE HUNG WINDOW UNIT. A complete window, with every part purchaseable in one order, is the latest merchandizing proposal of a prominent manufacturer. The double-hung window frame and sash, the insect screen and the storm sash are all included as a single unit. Wooden double-hung sash, suspended on coil spring balances in place of sash cord and counterbalance weights, are completely weatherstripped and glazed. Fitted screens for summer convenience, and storm sash for winter comfort, both equipped with hardware for hanging and locking in place, are cited as advantages.

Each part of the window frame is designed so that all joints will be weathertight is the claim of the Curtis Companies, the manufacturers. Elimination of sash cords and weights, with the accompanying weight boxes at either side of every opening, makes possible a tighter jamb, and permits use of narrow, delicately molded trim around the opening on the inside. Sash are glazed with lustra glass, reputed to possess capacity for allowing health giving rays in sunlight to enter the house. Other construction advantages include an extra member projecting across the top of the opening on the exterior to shed water and a steeper sill with rabbet for screen and storm sash. Hardware for screens and storm sash is of rust resisting metal, designed to be easily operated.

Weatherstripping around the sash engages similar stripping in the frame, providing metal to metal contact. Sash is made loose fitting so that it cannot bind, the metal stripping sealing all joints between sash and frame. An innovation is offered in storm sash with movable insert frame set into the lower part, which may be opened for ventilation of the room without disturbing the entire storm window. This precludes the necessity for swinging out a large sash which would be at the mercy of sudden gusts of wind.

SEALED JOINT MASONRY. Mechanical seal as an efficient means for protecting brick mortar joints against the inroads of rain and wind has been recently recommended. Reliance is no longer placed solely upon the chemical bond of mortar and waterproofing. The method is particularly recommended for exposed wall areas where driving storms might force rain through the masonry, with resulting injury to wall, and ruin to costly interior decorations.

The bricks used, while of standard size have a special V-shaped groove three-eighths of an inch deep in the tops, ends and bottoms. When laid up in the wall a continuous furrow is formed. As the bricks are set in place an L-shaped piece of non-corrosive metal, patented by Sealed Joint Construction Corporation, is inserted in the groove, sealing both top and side mortar joints. This over-lapping metal forms a continuous horizontal reinforcement, connected to adjoining mortar courses at vertical joints. Structural strength as well as protection against inroads of water is, we are told, thereby provided.

INSULATION BLANKET. Blanket form insulation in two varieties has recently been introduced by the Celotex Company. Both of these are flexible materials, intended to be tucked between the studding or furring of the exterior walls, and between the second floor ceiling beams or the roof rafters. Upon being nailed in place, either material is said to fluff out to increased thickness, thereby adding to its heat-stopping value.

One of these (Continued on page 81)





Mastmus Andersen

Even a Prince of Wales approved of ostrich feathers as a decorative theme

FIRST designer to use feathers, the ostrich today is among our best decorators! A new paper has gold plumes accented with black lines on pink. Empire Exchange

MYRIADS of glittering crystal beads strung into graceful, curling plumes, and you have the last word in chandeliers—the brilliant design immediately above. Bagues

IF YOU are feather-minded in decoration you will not be able to resist the lamp and chair below, with their distinguished Prince of Wales plumes. Both from Mrs. Buel

THE PLUMES on the Waverly print below are pert affairs in pale green and white scattered over a dark brown ground—an inexpensive chintz with sophisticated air









Betty Fuermann

ANOTHER use of the feather motif is this mural decoration of many plumes painted on the walls of the Casino Club, Chicago. Mrs. John Alden Carpenter, decorator



AMONG the charming accessories featuring feathers is this Ginori vase of white porcelain. Plumes on its sides and its decorations are gold. Mingery Hall Workroom



THE NEWEST feather chintz is the design below of tall ostrich plumes curled at the tips. In black and white, pink and brown and brown and blue. From Jones & Erwin

A BORDER of the chintz below edges these pale blue taffeta curtains and forms the valance. The feathers to cut out and appliquéd onto the silk. Arden Studios







New Jersey gives appropriate background to a residence in the provincial Brittany style

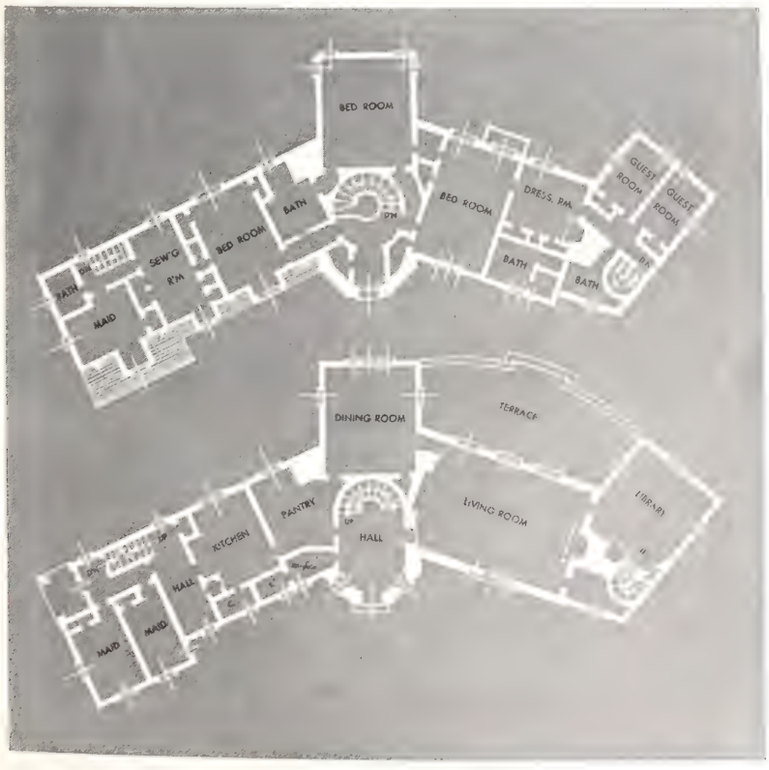


S. H. Gottscho

PICTURESQUE interest together with a sturdy provincial atmosphere are given the home of H. W. Huber at Locust Point, N. J., by the variety of materials that have been harmoniously combined to make up its walls

ON THE opposite page are two photographs of the front, showing the flagged terrace that runs outside the living room, between the library and dining room wings. To the right is the service wing, looking toward the dining room





FROM a central unit containing entrance hall and living room recesses stretch to right and left the service rooms at left and living room and library to the right. From the entrance to the semi-circular stairway is a distance in the entrance hall. A service and a second way access to the second floor. The H. W. Huber residence on the property

The Gardener's Calendar for April

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
● New Moon, 5th day, evening, W.		First Week: Soggy soil, dark sky, hours of fog.			1. In cold regions where Blackberries, Raspberries and other canes and bush fruits were covered for the winter, their protections may be removed now. New plants of these desirable adjunct to the home garden may be set out as soon as the frost entirely leaves the ground.	2. While with extra care the majority of trees and shrubs may be planted almost any time of the year, it is usually best to get them in before spring growth begins. At this time their roots are getting ready to commence activity and so will take hold promptly.
☽ First Quarter, 13th day, evening, W.		Second Week: Clear and bracing, light frost.				
○ Full Moon, 20th day, evening, E.		Third Week: Showers and warmer, grass growing.				
☾ Last Quarter, 27th day, morning, W.		Fourth Week: Sunshine and clouds, southerly winds.				
3. Seeds of the hardier vegetable like Spinach, Carrots, Radishes and Beets may be planted now in the open if the season is fairly well advanced and the soil workable. In the coldframe or hotbed be sure and transplant the seedlings before they begin to show crowding.	4. Salt sprinkled lightly on the lawn will help keep the weed in check. Use one of the coarse granulated rock salt such as is employed in freezing ice cream. For stimulation of the plants, try that mixture of nitrate and potash known as Driconure.	5. Prune evergreen hedges to start before hot weather comes, so early pruning is a real necessity. The first good cut should be done in time to get first-class growth in. Get first-class stock of privet, Japan barberry and evergreens and see that every piece you plant has a good ball of earth around the roots.	6. Roses budded or grafted should be pruned now. The weaker they are the more severe should the pruning be. Cut back Hybrid Teas to three eyes and Teas to 5 or 6 eyes. If you contemplate new plantings try one of the hardy shrubs, which once in properly established, enriched peatmoss.	7. Bone meal is one of the best and safest all-around fertilizers and may be applied at any time of year. For quickest results use the finest or "flour" grade. In general garden practice, however, the coarser raw ground bone will last longer and be more satisfactory to use.	8. Seedlings of all kinds need plenty of fresh air. When sown in the house or a frame they should be given more and more air as the spring advances. This prevents their making too rapid sappy growth and gradually "hardens" them to outdoor temperatures and general conditions.	9. If you have any Pussywillow sprays in vases indoors it will be worth while to plant them out in damp soil where they will root and eventually form bushes. This applies to the long, straight-stemmed ones sold by the florists as well as the native sorts that grow wild.
10. Early spring is an excellent time to plant evergreens of various kinds, for as a rule there will be plenty of rain while they are establishing themselves. They may be set out consistently from soon after the frost is out until the new growth is well started.	11. The cedar hedge twig and general clean up fires should not be left in piles. Scatter them broadcast over the lawn and they will be a real benefit. Potash, the chemical which the residue of burned wood provides, is an important plant food for most kinds of vegetation.	12. One of the best top dressings for lawns in spring is [illegible] with which a liberal quantities of bone meal [illegible]. Scatter it evenly before top growth begins and, for the sake of your lawn mower blades, be sure that it is free from small stones and sticks.	13. Young plants of the Cabbage, Cauliflower and Lettuce may be set out now in the garden if they have been "hardened off" gradually accustomed to outdoors. Don't put them too close together, for remember that all three eventually make plants of considerable size.	14. It is a wise plan to have plenty of good Dahlia stakes all ready before planting time. They should be 6' long and amply strong at least 1" or more thick. Suitable stakes can be bought from the garden supply stores or made at home from 1½" x 1½" dressed lath.	15. If the season is well advanced you may now safely annual flower seeds outdoors by the middle of April. Be sure that the soil is well pulverized beforehand. In general, though, it is not as well to wait a couple of more weeks before sowing such seeds in the open ground.	16. The chemical contents of a soil directly influence its productiveness. Use a good soil tester if there is any doubt as to whether the ground is acid or alkaline. Thoroughly dependable testing sets, with a book of valuable directions, can be bought for three dollars or so.
17. Commercial humus of good quality is a great improver of garden soils. You can buy it in [illegible] quantities. Another excellent material is choice New England hardwood leaf-mold, which is to be had at the same price in the 100-pound bags.	18. Portable plant forcers for Melons may be put in place now after the hills where the seed is to be have been prepared. They will warm up the soil before planting, and, being left in place until the plants are well under way, will protect them and promote general growth.	19. Supplies of Bordeaux mixture and some good nicotine preparation should be laid in now so that you will be ready for any pest invasion. It will pay to get at prepared mixtures, on garden pests and their control, such as that by Mr. Wilson.	20. Roses and indeed all shrubs and vines herbaceous perennials, will be benefited by a top-dressing of bone meal scattered now and scratched in. This plant food cannot injure the roots, as fresh manure might. Also, it is clean, pleasant to [illegible] and nearly odorless.	21. Besides the regular large Tomatoes a few plants of the miniature Cherry and Plum varieties will prove to be interesting and useful novelties this year. The yellow kinds are milder flavored than the reds and are excellent for use in [illegible] as well as salads.	22. The green worms start work very early on the Currant bushes. Get them in the beginning with arsenate of lead, repeating the spray twice at intervals of ten days. Unless these small but voracious pests are checked, the bushes will be defoliated and the crop ruined.	23. In selecting a place for the Gladiolus bulbs, be sure that it has abundant sun. A well drained and fairly rich and friable soil is the best for these plants. First plantings may be made now and successive batches of bulbs put in every ten days or so until late June.
24. Peas [illegible] whatever support you intend to provide, ought to be put in place before the young plants start to send out their clasping tendrils. If you use brush, be sure that it has plenty of twigs and is not too brittle to support the weight of the bearing vines.	25. Sweet Peas [illegible] that [illegible] when they are about 4" high. This drawing up of the earth on both sides of the rows will help as a support and also aid in keeping the roots cool by burying them more deeply. Do not postpone too long the artificial supports.	26. The first [illegible] of activity on the part of the newly hatched tent caterpillars. [illegible] get after them with a kerosene torch on a long pole and applied [illegible] them especially on Apple trees and Cherries, both cultivated and wild, when the leaves start to unfold.	27. Second sowings of Carrots, Spinach, Beets, etc., may be made now. The rule is to put them in when the first plantings show well above the ground. All earlier plantings should be thinned relentlessly when they begin to show signs of becoming crowded in the row.	28. You can plant Dahlias when soil has really begun to warm up—sometimes as early as this, if the site is well drained and has a southern exposure. Set the stakes at the same time as the tubers and be sure that they are amply strong and well [illegible] in the soil.	29. Thinning out the young vegetable plants after they have come up thickly is essential to good results. Do not on any account allow them to become crowded. This is fully as important with the root crops as it is with those whose usefulness lies in the top growth.	30. The proper time to set Lima Bean poles is when the seed is being sown. This will obviate the danger of injuring the roots or the tender young plant growth by putting in the poles after the Beans are up. Cedar makes the best poles, as it is straight and resists decay.

Old Doc Lemmon mooches along Birchy Holler Brook

"Out'n all the places 'round this part o' the country where the fust signs o' real spring kind o' git a-holt o' your insides, I don't guess there's any thet's better'n Birchy Holler Brook. All the way from the Holler itself, where the Laurel is so shiny green in the yaller sunshine, clear down to the swamp where the brook widens out into Taylor's Millpond ye can fair see April a-creepin' along an' tellin' things to wake up ag'in.

"It's a slow, easy-goin' sort o' way she has, but it works as sure as a bar'l o' cider with a loose bung. She just mixes up some soft rains with plenty good sunlight, seasons 'em with two-three frosty nights, throws in a handful o' sou'west wind, an' right away things git a-goin'. There ain't nothin' quite like it in the hull world o' Nature, I calc'late, nor anythin' thet steals on ye more onsuspected.

"Yep, there's a-plenty stirrin' along Birchy Holler Brook these April days. As ye come down the path through the Holler ye see the young curled leaves an' white star flowers o' the Bloodroot pokin' up along the sunny foot o' the big ledge an' if ye scrotch 'round amongst the dead Oak leaves ye'll ketch the sweetest of all woods smells an' purty soon come on the pinky-white flowers o' the Trailin'-arbutus a-snugglin' clost to the damp, dark earth. I dunno any flower thet's fuller o' the sperit of April than them—not even the fuzzy leetle Hepaticas thet show such a clear, purty blue on a sunny afternoon.

"Further down stream, where the Ten Acre Pasture begins, it's all diff'rent. There ain't no woods nor Laurel there—only clumps of Alders with their queer long bunches o' flowers danglin' like leetle yallerish caterpillars from all the twigs. Teeny green leaves an' grass blades are showin' ev'rywhere, an' all over the black mud where the cattle hev broke down the banks comin' to drink are the trails o' worms thet hev crawled around to see whut all was happenin'. If'n ye turn over a flat rock an' ketch a couple, an' drap 'em into the water so's they'll drift down into thet swirl there below thet big log, ye'll see how quick a trout flicks out an' gobbles 'em like he hedn't hed a bite to eat all day.

"Then woods ag'in, with the Maple buds all red an' bunchy, an' leetle gnats dancin' in swarms, an' a bee snoopin' 'round a gulley where the dry dead leaves hev ketched the heat o' the sun an' it's most as warm as summer. There's Spicebush growin' along the banks, an' if ye look clost ye can see its flowers just a-startin' to open, yaller as Elviry's old canary. Troutlily leaves, too—hull carpets of 'em—hunderds o' dark green p'ints with wiggly lines o' lighter color the same as on a brook trout's back. An' along where thet whackin' big old boulder with the ferns on its back leans out over the water there's a Phoebe-bird teeterin' on a branch, an' under a ledge o' the rock ye can see his last year's nest still stickin' on a knob, as safe an' dry an' mossy as can be.

"But when all's said an' done, I dunno but thet it's the swamp down by the pond thet I like best on a ca'm April day, 'specially t'wards sunset. How bright the patches o' Marsh-marigolds are, an' whut a clean, growin' smell is in the air! An' when the sun hes set, an' the sky in the west is all smoky pink an' gray, how the peeper frogs do let loose—the sweetest, cheerin'est sound in the hull list o' spring!"



MOCK TURTLE SOUP

— desired on every fine table

— yet so difficult to "make" unless you serve Campbell's

Few homes, no matter how palatial, can boast a skilled French chef in the kitchen. And no home can enjoy the services of the greatest soup chefs in the world unless Campbell's Soups are served.

In the menus of those who pride themselves on the excellence of their cuisine, Mock Turtle Soup is a prized enjoyment. How simple it becomes to serve it at will simply by permitting Campbell's chefs to supply it in all its appealing and exquisite perfection!

Tempting, tender pieces of the meat for which this soup is renowned, blended in a rich beef broth, with tomato purée, celery, fresh herbs, nice seasonings, and the unmistakable bouquet of fine sherry.

21 kinds to choose from . . .

Asparagus	Mulligatawny
Bean	Mutton
Beef	Ox Tail
Bouillon	Pea
Celery	Pepper Pot
Chicken	Printanier
Chicken-Gumbo	Tomato
Clam Chowder	Tomato-Okra
Consommé	Vegetable
Julienne	Vegetable-Beef
Mock Turtle	Vermicelli-Tomato

11 cents a can



Look for the Red-and-White Label

MEAL-PLANNING IS EASIER WITH DAILY CHOICES FROM CAMPBELL'S 21 SOUPS

SNUFF BOTTLES



collecting them is a fascinating hobby—

Among the many odd and intriguing objects which the Orient has given us is the snuff bottle. Though of small dimensions, these lovely little bits of workmanship are sought by many because of their exquisite carving and rare coloring. Glass, porcelain and semi-precious stones have yielded to the patient cunning of Eastern craftsmen in fashioning many different designs.

If you seek a gift or a decorative piece for your own home that is out of the ordinary, come to Yamanaka's. You will find an enticing array, from brocaded purses or cocktail cups for a few dollars to lamps at $100 and more; and a collection of antiques carefully selected from among the finest in the Orient. Send for illustrated brochure on "The Oriental Motif in Decoration".

YAMANAKA & CO.
680 FIFTH AVENUE NEW YORK
CHICAGO BOSTON
LONDON PALM BEACH NEWPORT BAR HARBOR

Gardens without flowers



KNOWN as "Moon Gate", this interesting circular entrance through a brick wall is one of the exterior features of a private residence at Shanghai

(CONTINUED FROM PAGE 65)

its daily life and social intercourse, possibly sustenance—as we find that all cultured nations have done after their first few hundred years—then it may be said at least to have attained its adolescence.

The Oriental mind, however—possibly due to its thousands of years of culture—is luxuriant. It commonly sees and feels beauty in countless ways that only our accredited poets are gifted in seeing and feeling. The great test of their poetic sense lies in their ready simulation of gardens and flowers through a score of inanimate media.

It is a precious and practicable talent that we Westerns might emulate or borrow to our profit. Gardens without flowers! Everything lies in the symbol; the image behind the thing.

With regard to China, I was struck at first by an absence of commonly visible flowers and gardens. I attributed this to a general sparsity of vegetation and, finally, to the wi spread poverty of both soil and peo in so many parts of the country. the great flower markets, however, cities like Shanghai and Peiping, saw as many and as varied flowers I have seen anywhere else in the wor

But it is with reference to t luxuriant examples of "gardens wit out flowers" that I wish to offer som thing that should engage the attenti of American gardeners of living pla and flowers only.

One of the first gardens witho flowers I saw from the back of a bur while riding up the rough pathw leading out of Shan-hai-Kuan on n way to the Great Wall. We came a little farmhouse with the usu grave mounds just outside the bac yard. I was interested by a wall front of the mud house, along the t of which was set up a curious row smaller stones, evidently following o

(*Continued on page* 76)



ONE of the bridges and some of the buildings of the Summer Palace at Peiping. Balustrades are white marble. Roofs have the Imperial yellow tiles

She *Couldn't* Understand It . . .

Such a pretty girl . . . such a nice girl . . . so talented, too . . . et she wasn't popular. Other girls were always nice to her, ut there the matter ended. If a fourth at bridge was wanted hey would try almost everyone else before calling her. Men, attracted by her good looks, usually called once . . . and never called again. She didn't know what was wrong. It worried her. What a pity no one ever told her . . . but no one ever does. The matter is too delicate to talk about.



Don't risk offending others

Halitosis (unpleasant breath), like perspiration odors, is the unforgivable social fault. It has broken up many a romance, cooled many a friendship. The insidious thing about it is that you yourself never know when you have it. The subject is so intimate that even your best friend won't discuss it.

The one way to make sure that your breath is sweet, wholesome, and inoffensive to others is to rinse the mouth with Listerine. Every morning. Every night. And between times before meeting others.

Listerine instantly ends halitosis because it immediately halts food fermentation in the mouth—the principal cause of odors. Having thus struck at the source of odors, Listerine gets rid of the odors themselves. It is the swiftest of deodorants.

Don't rely on ordinary mouth washes to put your breath beyond reproach. Many have no deodorant power whatever. Listerine immediately overcomes odors that ordinary mouth washes cannot hide in four days. This statement is based on a series of careful tests conducted by a noted New York chemist.

Make up your mind now to use Listerine every day. You will know then that your breath is always sweet—that halitosis cannot ruin you socially. Lambert Pharmacal Company, St. Louis, Mo., U.S.A.

LISTERINE ends halitosis and checks body odors

France



NOW is the time to take the holiday in France you've always promised yourself ▲ Railroad and hotel tariffs down to earth and tunneling under ... informal modes in clothes even at the smartest resorts ... a rich man's paradise at poor man's rates! ▲ Easter at Biarritz, spring with the apple blossoms in Normandy, summer at the channel coast resorts or along the golden Riviera, autumn at the glorious mountain spas or in the picturesque old Roman section ▲ New coaches on the railroads, and de luxe motor buses everywhere ▲ End up in Paris, the intellectual and artistic center of Europe ... museums and Montparnasse, new ideas and new plays ... a holiday that means a whole new outlook, on a smaller letter of credit than any needed in years ▲ Any reputable travel agency will supply an itinerary of your own.

RAILWAYS OF FRANCE
1 East 57th Street, New York

Celestial gardens without flowers

(CONTINUED FROM PAGE 74)

design. I asked my donkey boy what was its significance.

"Oh-oh—he garden—frowers!"

"Flowers?" I asked. "I see no flowers."

He went over and touched very gently one of the smaller stones surmounting a larger one. "Oh-oh—yes, master, he frowers! He Buddha—all he Buddha—Buddha, Buddha, Buddha!" He pointed to each one in the long row.

Then I could see the resemblance to the idols of Buddha. This was the simple farmer's garden of Buddha-flowers! To his untutored mind a garden of the gods! In his crude way, Heaven brought to earth. There were no flowers; scarcely sufficient vegetation to keep their bodies and souls together. I keep repeating in my unpoetic short-sightedness, "no flowers", yet, on reflection, I can't conceive a more lovely garden than those stones representing the "living Buddha"! That garden is not the more beautiful that looks so, but rather the one that dispenses beauty.

After that I went about seeking gardens without flowers. From the humblest peasant's hut at Shan-hai-Kuan I went browsing out to the exalted estate, the Summer Palace of the late Dowager Empress. A long desolated approach, under the walls of the old Tartar City, the native city, then five miles over an atrocious road worn into deep ruts by the laden carts drawn by straining coolies, and the heavy-wheeled picturesque carts with blue denim tops and a sunshade for the horses, driven into Peiping by the more prosperous farmers. The only flowers I saw in the fields were grave mounds and ugly flat tombs.

SUMMER PALACE

At length we came in sight of what to my mind is one of the loveliest gardens in all the world. I cannot recall having seen a single flower within the vast park surrounding the Summer Palace. I say again, a garden without flowers, and yet I have never seen a garden that stirred my imagination more deeply and colorfully until it blossomed with a thousand fancies, just as it had bloomed with a thousand others for "Old Buddha"—as they called the Dowager Empress—too subtle in their Chinese infinitude for my Occidental mind to comprehend. In fact, the unforgettable color, form, grace and beauty somehow suggested flowering Nature so much that I did not miss the presence of growing flowers, and I could have sworn, without thinking, that I had walked and lingered the day long amidst precious and fragrant blossoms.

Soon after entering the "Garden of Peaceful Enjoyment" (the fragrance of the flowery sobriquets lends their perfume to the illusion) we found ourselves strolling along the covered walk that skirts the lake, carved, fretted, pillared and illuminated in simulation of Nature's own handiwork. Beside the lake is a balustrade of flowering carved marble. The waters are green with scum and sedge grass: the whole prospect luxuriant with pathos in its crumbling, weedy decay. There is no fertilizer to stir and germinate poetic soil like the mouldering remains of dead and bygone greatnes

We walked among many Royal P vilions—pavilions for the Empres thousand Pekingese dogs, another f the eunuchs, another for the theat Then within a lovely court—just you would expect to find it within su palatial grounds—we came upon formal garden. But it was a gard with a difference—it was a garden bronze! First, like potted floweri shrubs, set on pedestals of carv stone, there was a row of supe chased sacred censers. Beyond, li rare plants set apart, were several hu jardinières, majestic in shape, e quisite in detail. Then came the de cate flowers, fine, comely, radian dragons, pheasants, storks, ranged pedestals, limned with celestial de cacy and fancy. Exquisite *objets d'a* as well as perfect replicas of Natu Blossoming bronze!

MARBLE NAVY

Fancy a marble boat in your gard lake! Ah, that Dowager Empress w not only a master gardener but s was a poet as well—as indeed all ma ter gardeners must be—for she to the millions of dollars appropriated her Councillors for a Chinese Nav and built a grand marble boat! Wou that we had more rulers that were poet-wise!

So we take our place in the stern the marble boat and let our fancy roa hither and yon. Two blue-denim coolies beneath the pagoda brid alone disturb the tranquillity.

Then we ascend the 300 marble ste to the top of the "Mount of Ten Tho sand Ancients" and cast our eyes ov a garden prospect that is unique the world of gardens. We have moun ed into the heavens as it were, high than all the palaces. Their tiled roo lie in clumps below us all down t mountainside to the edge of the lak rare and brilliant shades of Ch nese color—vermilion, jade, lapis—li clumps of flowering shrubs among the fresh green foliage of the tree lending a beauty of their own in t graceful canopy-curving of their roof imitating the giant Cryptomerias th possibly first inspired their lines; t ridge-poles ablossom with gorgeou carvings and illuminations in whic the artist's pagan fancy has roved will, like an exotic flowering vin Cornices curl upward with the sensu ousness of tendrils seeking the sun an the heavens.

The whole landscape is in harmony which are the flowers of Nature an which of man is scarcely distinguish able. The broad silvery lake, t dreaming sedge-bearded lagoon, placi Jade Fountain Hill, the distant mou tains drowsing in a haze, the Gre Pagoda proclaiming Buddha from t hill-top and the Porcelain Pagod glinting like giant Iris in the back ground, the Seventeen-Arch Brid like some glorious aquatic plant wit marble blossoms crawling across t stream, the Camel's Back Bridge con posing a mystic symphony with t Weeping Willows on the banks givi it its sad motif while the bronze Sacr Cow looks on and chews its cud con placently throughout the centuries, t

(*Continued on page 78*)

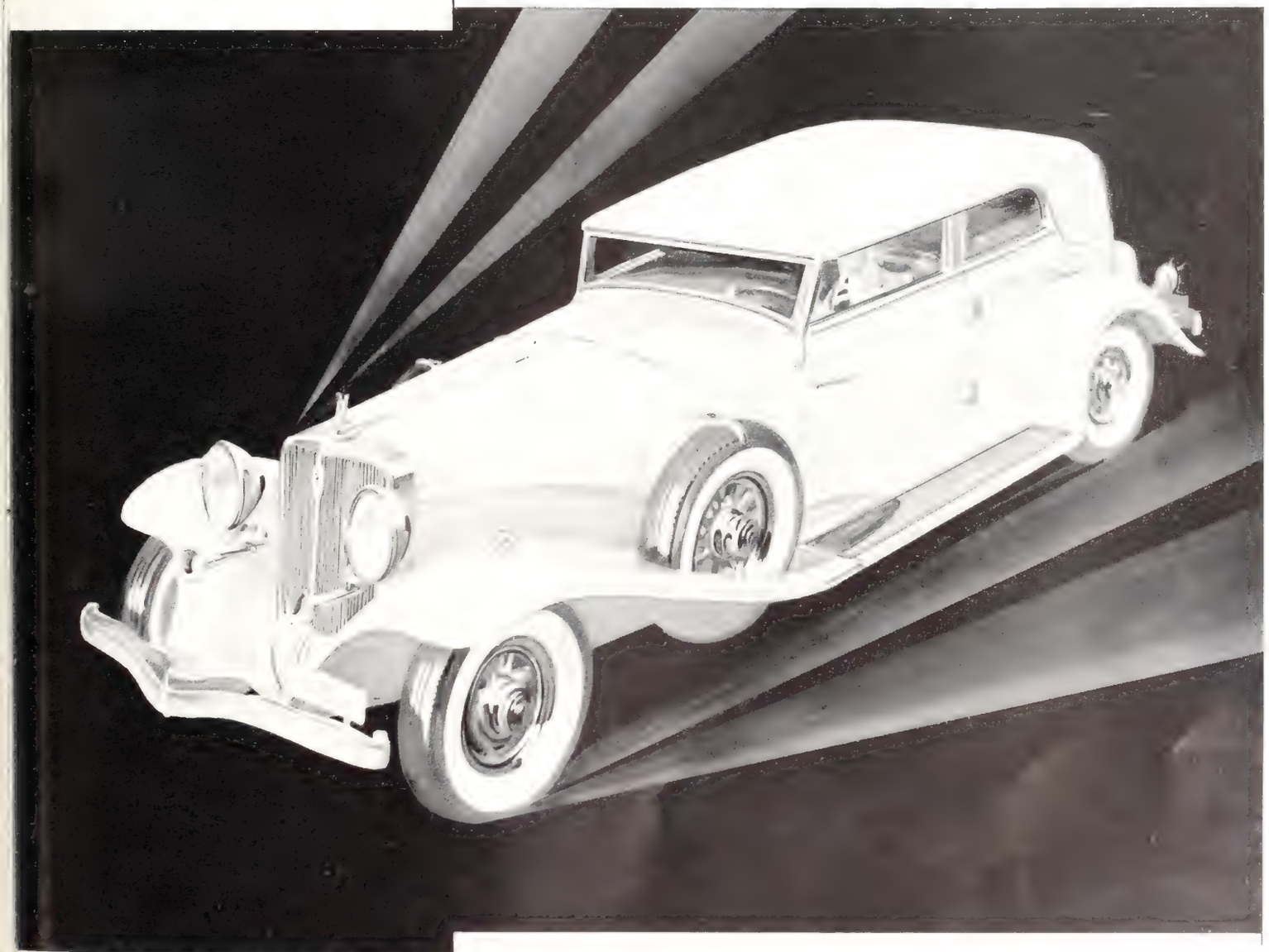
The 4 great *"buys"* OF 1932

BE hard to please when you buy your new car! Insist on getting a 1932 value as well as a 1932 model. Don't take less than *all* the worth-while engineering advancements—not just one or two or three of them. And make sure you pay no premium compared with Studebaker's drastically lowered prices.

No line of cars in America can measure up to the Triumphant New Studebakers in a searching comparison. Their 32 important betterments embrace every advanced engineering achievement of the year—many of them exclusive with Studebaker.

1932 Free Wheeling, combined with Synchronized Shifting, Full-Cushioned Power and Automatic Starting are Studebaker advancements matched by the adoption of finest quality Safety Plate Glass in all windshields and windows of all models at no added charge.

There is only one way to find out what Studebaker's 32 great advancements mean, in riding, driving ease and enjoyment, and that is by driving any one of the Triumphant New Studebakers—the four great "buys" of 1932.



PRESIDENT EIGHT . . . . $1690 to $1990
122 horsepower, 135" wheelbase—*Reductions up to $560*

COMMANDER EIGHT . . . $1350 to $1560
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DICTATOR EIGHT . . . . $980 to $1125
85 horsepower, 117" wheelbase—*Reductions up to $115*

STUDEBAKER SIX . . . . . $840 to $985
80 horsepower, 117" wheelbase—*Prices at the factory*

Bumpers and spare tires extra. State or Regal equipment $105

The Triumphant New
STUDEBAKERS

FADELESSNESS



At the factory, this special ultra-violet-ray lamp tests samples from every run of Salubra for fadelessness. Its rays are many times more damaging than any light to which your walls are subjected. *Salubra colors cannot fade.*



Have you ever had this experience? It can't happen when you have Salubra!



Move pictures as you will, Salubra never shows where they hung before. SALUBRA NEVER FADES.

SALUBRA is your insurance against rooms [illegible].

developed to an unheard of degree!

HAVE you rooms where the sun just pours in all day long? Been troubled with securing a wall covering that wouldn't change color? Then just try Salubra—it thrives on sunlight! Salubra-decorated walls are insurance against depreciation.

Salubra's beauty starts with its designs—the creations of Europe's leading stylists and colorists—men and women who are pastmasters in color harmony, balance and artistic interpretation. But why is Salubra fadeless even when exposed to the strongest sunshine, year after year? Because the *oil colors* which give it richness and beauty are especially compounded and tested to resist the damaging effects of light, not for a few weeks or months but *for years.*

Move furniture and pictures about as you will, you'll never find disfiguring patches on a Salubra wall. Dust, soot and smudges are easily removed by *scrubbing* with brush, soap and water.

Salubra is really "oil paint-by-the-roll"—in hundreds of patterns; colors ranging from delicate pastel tints to rich vivid shades, designs for any type of interior, Period or Modern.

You can buy Salubra for as little as $2.10 a roll—and that's the *last* cost as long as you choose to keep it on the wall. Ask your architect or decorator about Salubra, or write Room 1553, FREDERIC BLANK & CO., 230 Park Ave., N. Y.

Salubra

REG. U. S. PAT. OFF.

Won't Fade WALL COVERING Will Wash

TEKKO—a de luxe wall covering for [illegible] has all the practical advantages of Salubra [illegible] or metallic finish.

Celestial gardens without flowers

(CONTINUED FROM PAGE 76)

"Island of Tranquillity" disturbed only by the bird-song, which we, too, share from the throats of unseen songsters in the tree-tops near-by.

A barge with a Chippendale palanquin cabin effect drifts out of the distant haze through the beardy sedge and lies for a moment beside the erstwhile elegant Royal landing-stage, and we step aboard. Then, propelled by five stalwarts with long oars, we sweep majestically across the broad water. We have a new view of the garden of perennial pavilions flaming on the side of the green hill like Azaleas, like Laurel, like Gentian. The deep-red wall climbing up the Mount of Ten Thousand Ancients has the appearance of being covered with Roses.

Passing on to the Center of the Universe in the vicinity of the Temple of Heaven, I saw a still more unique manifestation of the garden without flowers. Here in the abode of the all-highest Deity, where the Son of Heaven proceeded on solemn occasion mounted on a white elephant, followed by his vast retinue of Generals, Princes and Nobles; forbidden-to-be-looked-upon by the multitude on pain of death—here is a vast area cultivated to the last inch by all the cunning and skill of Chinese artistry. Palaces that probably surpass Versailles, the Prado, and l'Hermitage in spaciousness and richness of detail. The fringe of the gorgeous approach to the Altar of Heaven is a sunken formal garden effect with symmetrical vistas that surpass any others I have seen. A "park", the Chinese call it. And yet there are no clipped trees or hedges, no glorious gardens of living color, no arbors of living green and greenswards of velvety lawn, as I have seen and admired surrounding practically every other palace I can recall.

THE TEMPLE OF HEAVEN

Not a tree, or a shrub, or a flower grows within this sacred sunken enclosure of the Temple of Heaven. Nevertheless, it is a vast garden without flowers—the Altar, Temples, pavilions, walls, gateways, pillars, roof-trees, balustrades, effigies, cornices, newel-posts. A glorious formal garden devoid of plant life; yet, a formal and riotous array—marble, stone, tiles, bronze and wood—a-bud, a-bloom and in full flower in a garden-park, exciting the senses in the same esthetic way and the imagination to a vastly greater degree than any garden of flowers.

Especially now, in its empty gesture of Empire and celestial First-born Divine Ruler. With the marble avenues all overgrown with every mongrel weed, the dragon steps sacred to the feet of the Emperor trod and broken by coolie vandalism and the Altar of Heaven itself thronged with "foreign devil" tourists. A tatterdemalion Versailles and Schönbrunn had once touched me deeply, but that was the pageantry of a decadent epoch, this was the panorama of a majestic civilization condemned and trod upon by intolerant upstarts.

What a garden, for the virtuoso gardener!

There remains one garden without flowers, however, that for me surpassed them all. It lay just outside the city of Peiping along the lagoon that separates the Winter Palace from the less sacred earth. There is an embowered walk beside the sedge-grown waters where always Chinese maidens are to be encountered swishing along in silken trousers, shyly half-concealing their faces with their gayly-decorated paper parasols. Bending Willows dip into the lapping waters, giving voice and form to the scene, while a sampan crowded with picturesque passengers is punted across the lake by chanting coolies, the orange-tiled pavilions and pagodas of the distant Winter Palace shining in the sun.

FLOWERED WALL

At this point I turn aside across a gully and find myself in the ruins of an ancient Buddhist temple. I wander at will among crumbling walls and musty compounds, glared at by decaying gods of dreadful mien, until at length I come into a garden. There I pause before a single floral piece that commands my awe and admiration. It is in the form of a detached wall, perhaps 150 feet in length, with a richly-decorated tile coping surmounted by a blossoming ridge of superb artistry. Upon the wall is sculptured the Royal five-clawed Dragon writhing his great length luxuriantly, his scales and fangs and bulging eyes a decorative mass shining in Chinese blue and yellow tiling. It is all enshrined beneath an ancient camphor tree.

That is all.

I say that is all, yet no garden I ever saw stirred my esthetic senses more. When I raised my eyes and looked back over that garden of tiles to the brilliant pagoda just over the wall, the decaying temple and the deserted pavilions, I saw vividly again—but this time all alone—the pageant of an ancient culture—hundreds of years in advance of the rest of the world of its time—now marching out into the sunset, never to return to earth again—save possibly in the rare glimpses of these gardens without flowers!

Note: The majority of the photographs used to illustrate the foregoing article are shown by courtesy of Edwin L. Howard, whose book, *Chinese Garden Architecture,* has lately been brought out by The Macmillan Company.



Whatever the decorative style of your dining room, "Treasure" presents Table Silver in perfect harmony.



IN THE AMERICAN MANNER . . .

A Federal dining room. Furniture, linens, china...all are utterly charming. And DIRECTOIRE Silverware to stamp it all with an air of distinction and genuineness.

This pattern of "TREASURE" Solid Silver has suave grace and a certain sophisticated simplicity. It takes its place in rooms that have an American flavor, feeling equally at home in a Federal setting or a modern one. Its beauty has an age-old quality which grows more precious with the passing years.

Because it is STERLING silver it has a fundamental appeal for people of sensitive taste. And because Sterling is now extremely low-priced, the impulse to own it becomes quite irresistible. You really should see AMERICAN DIRECTOIRE – hold it in your hands. There is a Jeweler near you who sells it. Just write us for his name. And, if you address Dept. B-8, we shall also be glad to send you a copy of "The Modern Way to Choose Your Silver".

ROGERS, LUNT & BOWLEN CO. · *Silversmiths* · GREENFIELD, MASS.

"Treasure" Solid Silver

STERLING .925/1000 FINE



SCREENED . . . but its beauty remains unblemished

WINDOWS . . . the "eyes" that give a house life, beauty, stateliness! Into their design architects for centuries have poured their artistic talents. What a pity when the harmony of line and proportion is destroyed, or ten to twenty per cent of the light is shut out by unsightly, wide-framed, flat-type screens! It is so unnecessary . . . for today Rolscreens of Pella relegate such shortcomings into complete oblivion. They do more. Rolscreens bring you a whole category of other advantages which make you wonder how you ever managed without them.

Fitted into your windows, either inside or outside, Rolscreens are so unobtrusive you scarcely realize they're there. Inconspicuous guides at the sides; a narrow bottom-rail; an ingenious spring-roller, hidden in a compact housing; a clear-vision mesh . . . That's a Rolscreen of Pella!

Rolscreens roll up and down —like a window shade

A touch of the finger and, automatically, your Rolscreens roll up; a gentle pull and they're down . . . instantly available when you want them; instantly out of the way and out of sight when you don't.

Rolscreens make it easy to get at casement latches. They need not be taken out for access to flower boxes or for window washing. In fact, they need *never* be removed. They're permanent! . . . Require no storing; no messy dusting, painting, repairing and putting up each spring.

Rolscreens collect no heavy accumulations of dust or dirt—to soil delicate breeze-blown curtains. . . . They clean themselves each time they're rolled.

Rolscreens do not sag, bag, or rip. An accidental blow merely disengages the sliding lugs from the guides, and rolling the screen instantly replaces them.

Rolscreens are thoroughly insect-tight —being locked in on all sides. No gaping edges from shrinkage or bad fitting.

Rolscreens do not rust or break into holes. Made of special electro-plated "AluminA"—clear-vision wire-cloth, with reinforced selvedge, that will far outlive Rolscreens' TEN-YEAR GUARANTEE.

Preserve the carefully planned beauty of that home which you love. Banish those daily inconveniences and that twice-a-year drudgery which old-fashioned screens impose. Give yourself the economy of screens that will probably last for the remainder of your life. . . . Rolscreen your windows. It's easy—with any size or type of window; in full or half length. *Time payments,* if you desire.

But, be sure your Rolscreens are the genuine—*Pella-made.* Their fifteen patented features and seven years' successful history are assurances of satisfaction-giving to a degree no other rolling screens can offer. The coupon below brings you the complete story—without obligating you in the slightest.

Special information, specifications and services to architects and builders on installations in new dwellings, hospitals, hotels, office and apartment buildings.

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ROLSCREEN COMPANY, 542 Main Street, Pella, Iowa

Please send illustrated booklet showing how Rolscreens can add beauty, convenience and utility to my home.

*Name*_____

*Street*_____

What's new in building and equipment

(CONTINUED FROM PAGE 67)

blankets is composed exclusively of hair, stitched between layers of tough, heavy, puncture-proof and waterproof crêpe paper. The other is of imported fiber and hair, felted together and securely stitched between layers of kraft paper. These insulations come in rolls 17, 25 and 33 inches wide, to fit between standard spacing of studs and rafters. Both are available in one-half and one inch thicknesses.

SIDE CEREAL SELF INTERLOCKING FLOOR. A sturdy fireproof floor construction has just been designed which is suited to use as the first floor of residences. It is light, strong, economical and without excessive depth. Absence of wood from the structural framework eliminates much of the fire hazard.

Rolled steel channels, which resemble a broad, shallow U in cross section, are laid across the cellar space, extending from exterior foundation walls to steel girders in the center. These channels look like shallow troughs, placed alternately right side up and upside down, so that the sides overlap each other much as do the half-round Spanish tiles of a roof. Very high load bearing ability is claimed after tests by the Belmont Iron Works, who are the patentees. After the channels are in place, concrete is poured over them to form a base for any desired finish floor of terrazzo, tile, cork, linoleum or wood. The cost of the system is comparable with other methods of fireproof floor construction.

AIR CONDITIONING UNIT. A new unit of reputed low cost and inexpensive operation, which may be attached to a warm air furnace, is offered to home builders and owners. Equipped with noiseless, high speed twin fan circulator, the mechanism while in operation is said to keep the home atmosphere in constant circulation. Air is drawn from rooms and basement, and passed through a filtering screen into a series of fine, swirling water sprays. The process, we are told, removes practically all of the dust and dirt from the air, and supplies just the amount of moisture required to give it a proper degree of humidity when warmed. The refreshing, tempered air is propelled from the heating chamber through ducts to all parts of the house. Forced circulation of the air makes it possible to locate the equipment in a far corner of the basement and yet deliver heat to all rooms. The Holland Furnace Company is the manufacturer.

During hot, summer days operation of this unit is recommended to add to the comfort of dwellers within the house. A snap of the switch will start the motors and fans, drawing cool air from the basement. Water sprays to still further lower the air temperature may be used or not as circumstances dictate. The movement of cool air, reaching the rooms through the same ducts which bring warm air when the heater is in operation, is reputed to materially lower temperatures in living rooms. This unit may be attached to any existing warm air furnace, providing it is in good condition, and at small expense will improve the heating ability of exisiting equipment and, it is suggested, will add humidification.

LEAD FITTINGS. Flower boxes and chimney pieces of lead give the suburban house distinction. This metal long a favorite for rain water conductors and cisterns, can be effectively used in many ways. It may be cast beaten or rolled. Being practically indestructible, it imposes no upkeep o replacement cost. Lead does not rust but takes on a patina of silver gra or whitish brown when exposed to th weather.

When these fittings are fastene against a blank wall surface of stucc the Lead Industries Association sug gests that they be highly enriched; bu when placed against the multi-un background of brick or stone, ke simple. Rain pipes and leader head for pleasing contrast, should have orna mental pipes with simple heads, an plain pipes when heads are to be en bellished.

WATER COOLED LAMP. For use i refrigerators, photographer's da rooms, and other locations where lig is desired without heat, the Gener Electric Company has developed a lam which is cooled by a constant flow water. An outer glass globe surroun a standard lamp bulb, with the spa between filled with distilled water other suitable liquid. Near the top the outer glass globe a cooling co through which ordinary tap water ci culates, is immersed in the liquid. T unit is operated with lamp vertic base up. A large part of the heat removed with but small loss of lig

IMPROVED RADIO. An innovati in radio design presents a cabi with a sloped lower front panel a sounding board, which is said greatly improve receptive quality. sounds are thrown directly into t field of the listener, with high to projected at ear level, and full r sical register accomplished. An ec absorbing screen at the back of t speaker chamber is credited with p vention of echo and blurred tone. T sounding board, made of extra hea laminated hard wood, is rigid a securely anchored to prevent cabi vibration and blur.

In announcing this latest prod the Philadelphia Storage Battery C the manufacturers, stress the ra and selectivity of the 11-tube sup heterodyne receiver, the electro namic speaker and the large area sounding board with unobstruc opening from speaker, affording f round and unboxed tone.

FIREPROOF BOARD FOR INTERI Production of a light weight, low fireproof insulation board, which r be effectively used for interior fin is announced. This is of particular terest to builders of houses with stu type high ceilings, where the board form panels between rough beam rafters. Basement and attic spaces other places in the house where ro may be partitioned off with this bo manufactured by Thermax Corp. exposed surface is of distinctive ture and color, and may be stencile decorated in other ways to blen well with any proposed interior sch

WORLD SUPREMACY



England

In the maze of London's traffic and on the hedge-bordered lanes of the English country-side more Packards are driven by people of wealth and rank than any other fine American make of car. The distinguished Packard has consistently, and by a wide margin, outsold all other American cars of its class in England

ıe Packard Light Eight—the new car that roduces truly luxurious transportation to ditional thousands—is pictured below in full grace of line and beauty of color. t you must *see* the car itself to appreciate fineness—you must *drive* it to gain a mplete conception of its many per- mance advantages. ¶ Here is a car that Packard in design, Packard in quality and, refore, Packard in name—a car of which kard is again proud to say "Ask the Man Who Owns One." Yet, because Packard has taken advantage of present economic conditions, lowered prices on fine materials, advanced engineering and new manufacturing processes, it can be offered at a price remarkably low—$1750 at the factory for the Five-Passenger Sedan. ¶ The Packard Light Eight is available in four distinctive and completely modern models—all on a chassis of 128 inches with 110 horsepower motor. It embodies Packard's latest engineering advances—Silent Synchro-mesh Transmission, *quiet in all three speeds*, Finger Control Free-Wheeling, and the new Angleset Rear Axle. Shatter-proof glass throughout, bumpers front and rear and six-ply tires—items charged for as extras on many cars—are included as standard equipment. ¶ Truly, thousands of motorists who for years have admired and wanted the beauty, luxury and distinction of Packard transportation can *now* enjoy it.

PACKARD



ASK THE MAN WHO OWNS ONE

STEVENS SPREADS



You will look long and far before you find bedsprea that more happily express the spirit of modern and period de orative schemes than do Stevens Spreads. Their designs . . . formal, friendly, or quaint . . . bear th stamp of true artistry. ¶ Their soft, lovely colors blend most agreeably with other decorations. Th very size of their patterns is adroitly scaled for large and small rooms. And in richness of textur in perfection of weave, Stevens Spreads convey a sense of luxuriousness seldom associated with their modest prices. ¶ Clarence Whitman & Sons, Inc., 21 East 26th St., New York.

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ANN: My dear! What have you done to this room? It looks so much larger.

DOROTHY: I had new wallpaper put on yesterday. Doesn't it make a big difference? I had no idea the things you could do with wallpaper.



ANN: You extravagant creature! How did you have the courage in these times? It looks terribly expensive.

DOROTHY: That's what John thought. He could hardly believe the wallpaper for this whole room cost only $10.75. And come see my bedroom.



ANN: It's charming. Where did you find such delightful designs?

DOROTHY: At Thibaut's. They have thousands of the most divine things I've ever seen.



Drop in at any Thibaut shop and see the largest collection of wallpapers in the world . . . authentic period patterns of Colonial America, old French and English designs and creations of living artists. The new 1932 wallpapers are lovelier than ever. Many of the choicest are those of modest price. Ask your decorator to show you his samples. Or, if you prefer, we shall be glad to loan you our special sample collection, at no charge . . . you merely hand the postman who delivers it $1, which is refunded when you return the book.

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picture windows

PAINT MARCHING MURALS ON YOUR WALLS



A view of San Francisco Bay from the living room of the Kingsley N. Cannon residence. This is an example of the effective use of a Picture Window in a town residence. Irvine & Ebbets were the architects and M. P. Jorgensen the contractor.

Nature's lavish hand makes no two days alike. Varying lights and colors paint a thousand scenes upon the same horizon. With Picture Windows in your home, this endless parade of natural beauty creates an ever-changing charm no canvas hung in its place can duplicate. ● The unusual beauty, uniform quality and thickness and lasting brilliance of Libbey · Owens · Ford Polished Plate Glass make it particularly appropriate for use in Picture Windows. It truthfully portrays the loveliness that lies within these living, moving murals. Your architect will tell you why.

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LIBBEY · OWENS · FORD
QUALITY GLASS

Decoration through the camera's eye

(CONTINUED FROM PAGE 37)

another problem as different as possible—suppose we consider a woman's dressing room in white. The walls might be a continuous composition of different white flowers, enormously magnified, each sharply delicate as though seen under the microscope. Slim strips of mirrored glass border the walls, details of mirrored glass and beige marble are inlaid in the white marble floor and a faint tint of pink from the ceiling is reflected down across the ethereal garden.

Whether for the whole room in a photomural or for those sectional details that call for less courage and cost, there are various means of finishing surfaces after the prints are in place. The general feeling of the surrounding materials will determine whether it is best to use a tinted glaze, a varnish in mat, high gloss or semi-gloss, or the more subtle dressing of wax. Mirror, polished metal, metal leaf and silver lacquer are good textures in the surrounding scheme. White, oyster, gray, dark red or notes of lacquer red are always satisfying colors.

In the meantime, if whole rooms seem too large an undertaking, how about the new process as applied to decorative accessories? England is responsible for a sensitized soft li canvas on which photographed desi may be printed. An excellent use this material is found in specially d orated window shades, and it's jus step to imagining the same fabric h as simple modern curtains.

Trays, boxes, waste baskets lamp shades have been successfu decorated in the photograph metl and may be seen at the Julien L Gallery. A cigarette box topped wit pattern showing quantities of the c tents in unusual perspective app on page 35. The same idea, using master print for print reproduction ordinary cotton, provides the reta with kitchen curtains carrying a cl up of a pressed carton for an egg cr and the owner of a notable of building with curtains for his tena showing a block design, each sect of which is a perspective view look up the main elevation of the faça such as the view of the dramatic N Building in New York which is sho on page 35. Such things, of course, not to be taken as seriously as the w treatments with which we began. B in a world always eager for someth new, they offer notes of interest a genuine unexpectedness.

House & Garden's bookshelf

GARDENING IN THE LOWER SOUTH. By H. Harold Hume. New York: The Macmillan Company.

THIS IS a truly great work. With preëminent scholarship, marvelous industry and extraordinary powers of condensation the author has covered not only the particular field but also the correct principles that underlie success in gardening in general. For this reason directly is the book likely to be serviceable to those who can have homes both in the North and in softer climates—yes, even to the increasing number of persons of refined tastes who are removing to Southern California, if allowance be made for the difference in humidity. There is throughout the volume an understanding of climatic and soil conditions that should make the work valuable not only to the person who gardens for himself, but also for landscape architects, garden consultants and nurserymen who, without visiting the South long enough to learn to know it in its various regions, may yet have to consider that the variations are great.

Always with wise attention to composition and texture of the soil, the fertilization of the different plants is handled upon the basis of more knowledge than is commonly found in books relating to ornamentals. It is stated that deep planting is particularly harmful to plants that require relatively large amounts of air for root growth—for example, Citrus, Azaleas, Hydrangeas and Roses. Trees that are to remain within a fill must be allowed to accustom their roots to the new position by having the filling done gradually or by having four or five lines of porous tiling laid from the bottom of the well around them out as far as the tips of the branches. Even those two matters in which the skilled gardener is most apt to go stray, the pruning of trees and shr and tree surgery, are deftly compres into a few but altogether satisfact pages.

Special chapters are devoted to Rose, concerning which it is decla that a good soil depth of only twe or fifteen inches is sufficient if dra age be provided. Azaleas are v adapted to the regions with wh the book concerns itself and all different classes, including the K ume, are most valuable in that t flower in winter and are hardy enou to withstand the drops of temperat that come from time to time. Ot chapters are devoted to Bamboos a Other Grasses, Climbing Plar Hedges, screens and windbrea Bulbs, Annuals and Perennials,— which are sketched the various su jects for the South—The Water G den, Window, Box and Porch Plan The Fruit Garden and The Vegeta Garden. F. B.

THE LAWN. By Lawrence S. Dicki son. New York: Orange Judd Publis ing Company.

HERE is a most important subj presented in a charming style spic with occasional dabs of humor. brings comfort too, in telling that o five inches of loam or feeding depth sufficient; the generally best la grasses, the bents, rarely send ro more than two inches down. And moisture-holding subsoil, that will the same time, in all but low and sta nant places, give drainage also, is expensive either, for it can be made four or six inches of coal ashes. H mus is needed; if this be of manure. order to destroy its weed seeds

(Continued on page 94)

An Arresting Advancement in Motor Car Design

A house or formal garden of artistic conception stands vividly apart from its conventional neighbors just as the new Nash with its complete Slip-Stream body distinguishes itself from customary motor car appearance.

Every line and contour of this Twin Ignition, 142″ wheelbase Brougham, from V-Radiator to Beavertail back, conforms to aerodynamic principles.

The result is a refreshingly new style—plus the practical result of greater top speed and reduced gasoline consumption. For this design reduces frontal air resistance and rear end vacuum "drag"—twin enemies of speed and economy.

When you drive this fleet, road-geared car, we promise that you will be moved to praise, by the ease and quickness and smoothness of the 125-horsepower Twin Ignition motor.

You will be equally impressed by its remarkable road-steadiness. This is due, in part, to a lower center of gravity. For, in all new Twin Ignition Nash models, the use of a new "500,000 mile" Silent Underslung Worm Gear Rear Axle brings the car nearly 3 inches closer to the ground, without the slightest sacrifice of road clearance or head room.

This, and other factors, contribute to a remarkable roadability never before attained:—among them, the new Nash super-rigid X-Dual frame (the strongest built); wider tread; smaller wheels; larger tires; and Full Range, Dash-Regulated Ride Control.

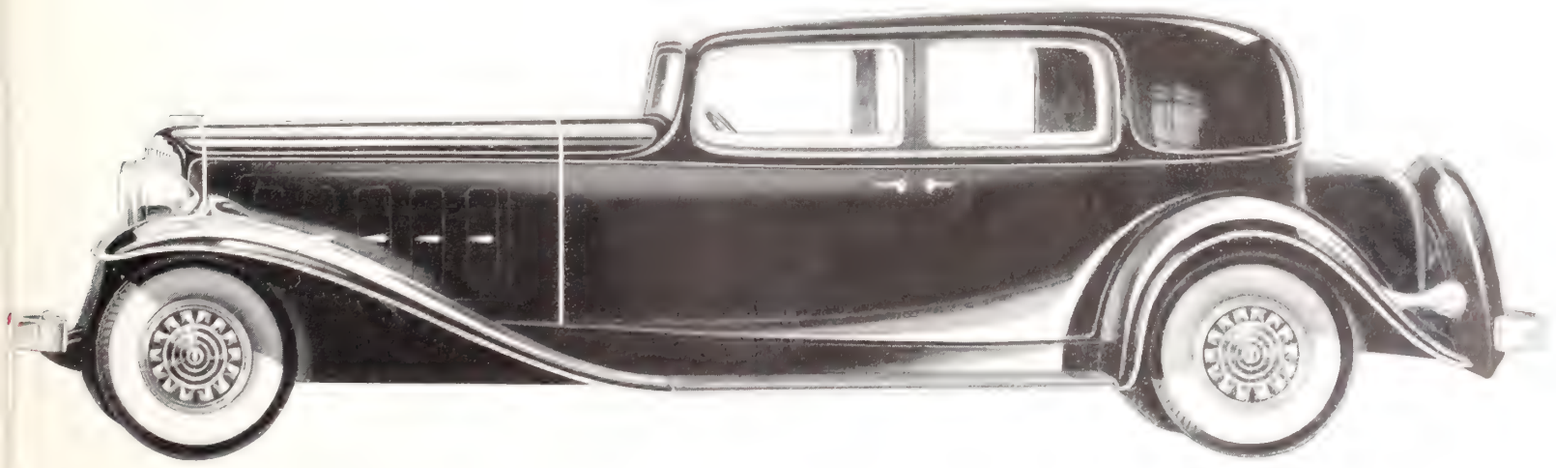
To step into the interior of this Brougham is like stepping from an ordinary room into a luxurious drawing room. Rich upholstery, wide center and side arm rests, wider seats, higher seat backs, deeper, softer cushions, deep pile carpets, new smoking sets, electric cigar lighters, front and rear—these are but a few of the appointments which endow this car with richness.

On behalf of your Nash dealer, we cordially invite you to inspect the new Nash and judge its new design and finer performance for yourself.

NASH STEPS OUT AHEAD WITH FIVE NEW SERIES

ALL PRICES F. O. B. FACTORY

BIG SIX	STANDARD EIGHT	SPECIAL EIGHT	ADVANCED EIGHT	AMBASSADOR EIGHT
116-inch Wheelbase	*121-inch Wheelbase*	*128-inch Wheelbase*	*133-inch Wheelbase*	*142-inch Wheelbase*
$777 *to* $935	$965 *to* $1095	$1270 *to* $1395	$1595 *to* $1785	$1855 *to* $2055





on the house











Each set is decorated with the above figures by John Held, Jr.

The "GAY NINETIES"

Tear-provoking memories in glass by

John Held Jr

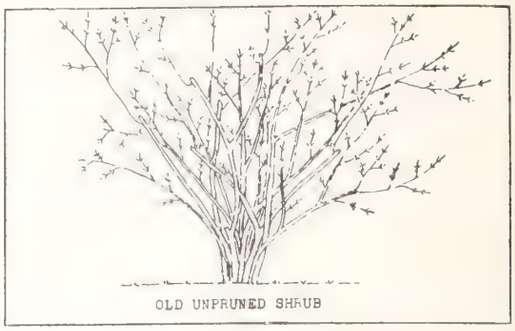
With this crystal ware, amusingly decorated by John Held, Jr., your beverages take on added savour; your canapés become doubly delectable; and your parties the talk of the town.

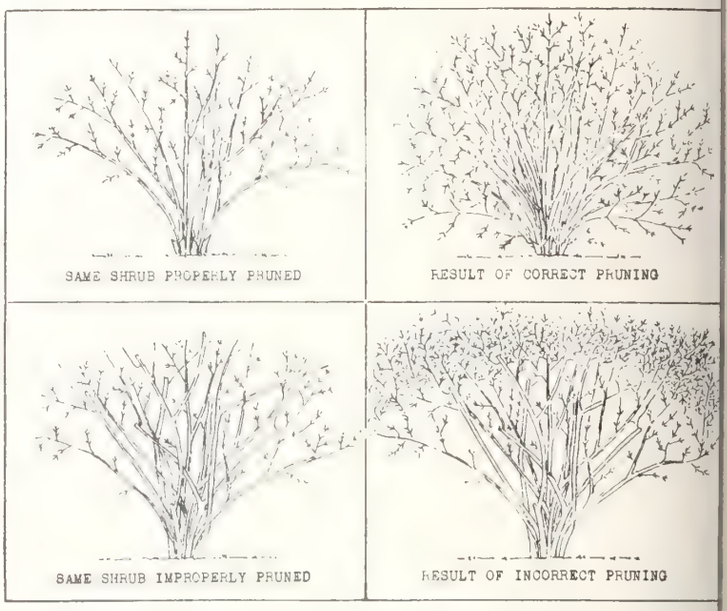
Take the Empire Stately churn. This 16-inch high pleasure vehicle alone will stamp you as a host apart. Holding a half gallon, it makes cocktail-mixing an art instead of an exercise and has the added advantage of allowing your guests to actually see your favorite potation in the making. An absurdly low price of $12.50 puts it in your home, ready for the fray.

Abutting the churn are what we in the trade term *footed* cocktail glasses. Only $9.00 for 6. The footless glasses are $7.50 for 6; the 6-inch plates, $9.00 for 6; 8-inch plates, $10.00 for 6; 10-inch plates (not illustrated), $12.00 for 6. Exquisitely proportioned Old-Fashioned Cocktail glasses, $9.00 for 6, and Highball glasses, $7.50 for 6, are also available.

"Gay Nineties" crystal ware may be had at better shops everywhere or postpaid direct on request. Dunbar Glass Corporation, 150 Dunbar Street, Dunbar, West Virginia.

DUNBAR GLASS





THESE five stages in the life of a favorite flowering shrub show the differences between wise and unwise use of the pruning shears. With material such as this the idealized natural form is the one which ought to be sought

Sane surgery to help the flowering shrubs

(CONTINUED FROM PAGE 55)

year previous to the one when they open.

In this class we find many of the old favorites—the yellow Forsythia, the Spireas, the fragrant Mockorange, the Lilacs and the Honeysuckles. All of these should be left alone during the enthusiasm of the spring clean-up except where broken or dead limbs occur. The correct time to prune this class of shrubs, blooming before July 1st, is just as the flowers fade. At this time the wood on which the flowers were borne may be cut off, as the flowers for the next year will be on wood which has not yet started to grow. This old wood will in years to come produce only leaves and inferior flowers, sap the strength of the plant and prove detrimental to its growth.

Dead wood and broken branches may, of course, be trimmed out at any time during the year provided it is done with skill and judgment. Pruning, however, is an occupation which, once started, proves fascinating to the surgeon and if the shears are sharp the work is apt to continue past the real need for it. To prevent the loss of flowering wood, therefore, it is safer to allow the shrubs to be trimmed only at the time stated in the table.

One of the most common errors in pruning and one that is highly detrimental to the ultimate well-being of the shrub is the habit of shearing the tip branches. This is a favorite form of trimming with many, for the small branches cut easily, the operator may work standing at his ease and the result shows immediately. The ultimate result of this form of pruning, however, is to force out a thick growth of small branches at the top of the shrub where they have neither space nor strength to develop and to force the lower branches to become long and scarce. The shape of the shrubs will become more like an umbrella.

Pruning should be far more a process of thinning out than of trimming back. Each year a few of the old canes should be cut to the ground. This will encourage young shoots to start at the base.

A flowering shrub sometimes assumes a most unpleasing form, owing to neglect or improper trimming. It is apt to have nothing but a few canes at the height where a thick screen is desired, and the flowers may be produced far above one's head. The remedy is to cut the plant back severely—clear to the ground, if your conscience will permit. This type of trimming is drastic and after the operation time will be required before the shrub will again become an object of beauty. If it is necessary to resort to such severe treatment, it should be done in the early spring before the sap starts to flow.

"Paris!—*Cross-roads of romance*"

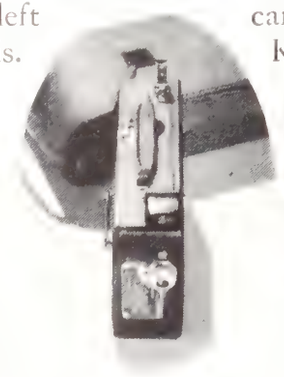




Simply aim, press the lever—and you're making a movie

Capture the living glamor of famous places—*with Ciné-Kodak*

MAGIC thoroughfares—the side-streets and boulevards of Paris. Romance marches by in fascinating faces . . . now at a famous café on the left bank . . . now along the footpaths of the Bois. These are the glamorous scenes your Ciné-Kodak can capture . . . the scenes you and your family and friends will enjoy again and again in vivid home movies.



CINÉ-KODAK *Model M—Only $75 with case*
Into this compact little camera, Eastman has concentrated all the essentials of movie making. Equipped with *f*.3.5. lens and a special attachment for close-ups. No focusing. Loads with full 100 feet of 16 mm. film.

Ciné-Kodak, as low as $75, makes movies as simply as a Brownie makes snapshots. No focusing. Aim the camera, press a lever. That's all there is to it. Kodascope projectors now reduced as low as $50. Many dealers offer easy terms. Eastman Kodak Company, Rochester, New York.

EASTMAN KODAK COMPANY · Rochester · New York
Send me FREE illustrated booklet telling me all about making my own movies.

Name

Street

City

CINÉ-KODAK

Simplest of Home Movie Cameras

THE GLASS OF FASHION

POPULAR DEBUTANTE

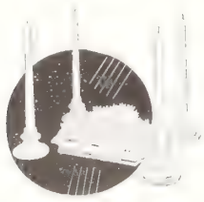


Here is a new Fostoria design [illegible] has just been "presented to society." Tall and graceful, these glasses come in lovely combinations: amber base with crystal bowl . . . solid crystal . . . crystal base and green bowl . . . crystal base and topaz bowl . . . crystal base and wistaria bowl. They lend distinction to any formal affair. Ask to see the *new* Fostoria stemware with the "Burr" stem.



OLD-TIME CHARM

Quaint as a hoopskirt, colorful as Andrew Jackson . . . the "Hermitage" pattern is a *new* Fostoria design, *old* in the traditions of Colonial "thumb print" glass. "Hermitage" comes in charming breakfast or luncheon sets . . . And in drinking sets (glasses, decanters, shakers). In 6 colors . . . all of them surprisingly inexpensive.



FRESH FROM PARIS

This new Fostoria "plateau" center-piece for flowers together with its companion candlesticks is very chic and very modern. It contains a shallow well in which short-stemmed flowers float. It is such a relief from those tall center-pieces that force your guests to play hide-and-seek all through dinner. This center-piece, at little cost, adds much glamour to any table.



STYLE MAKER

This lady, Mrs. Elizabeth H. Russell, Hostess Editor of "The American Home" says: "Nothing has added so much color and beauty to the dinner or luncheon table as the new vogue for glassware service. And the modern hostess who would be truly smart must have a complete glassware service . . . preferably in one of Fostoria's lovely patterns."

[illegible] "The Glass of Fashion" . . . *Fostoria Glass Company, Dept. HG-4,* [illegible]

Fostoria

Health hints for your favorite flowers

(CONTINUED FROM PAGE 58)

[illegible] Apply liquid manure. Cultivate.

JUNE 15TH.–30TH. Spray with nicotine solution [illegible] More watching for pests. More liquid manure. More cultivation.

JULY 1ST.–30TH. Don't overlook those pest and disease threats, and spray promptly if they appear.

JULY 15TH.–31ST. More bone meal. Dust with sulphur and arsenate of lead. Cultivate.

AUG. 1ST.–15TH. Prune climbers whose bloom is over. Pick off and destroy yellow or diseased leaves. And —oh yes, watch for pests. Spray for bugs and disease. Cultivate.

AUG. 15TH.—31ST. Those insect pests are still around; keep your eyes open. Cultivate. Destroy fallen leaves. Dust with sulphur and arsenate of lead.

SEPT. 1ST.–30TH. Water and spray. Cultivate.

OCT. 1ST.–31ST. Prepare beds for fall planting. Rake in lime.

NOV. 1ST.–15TH. Scatter a little sulphate of iron around established plants. Spray with Bordeaux.

NOV. 15TH.–30TH. Set out dormant plants. Cover tender varieties. Hill up and put on manure. Cut back soft shoots to 6".

PEONIES

APRIL 1ST.–15TH. Remove winter mulch from over crowns of plants and apply sprinkling of bone meal. Do not disturb soil above crowns, lest eyes or young shoots be injured.

APRIL 15TH.–30TH. If soil is fairly dry, cultivate two or three inches deep around plants, working in bone meal applied earlier.

MAY 1ST.–15TH. Pinch off several of the weaker shoots in order to throw strength into others. Water thoroughly once a week if the season is dry. Place supports (wire ring held by three stakes).

MAY 15TH.–31ST. Commence weekly application of manure water unless soil already has plenty of plant food. Disbud if you want extra-large blossoms. Keep soil well cultivated.

JUNE 1ST.–30TH. Continue regular watering during flowering time unless there is enough rain. When cutting, leave plenty of foliage to keep plants healthy all summer. If Rose bugs appear, jar them into a pan of kerosene and let them perish m-i-s-e-r-a-b-l-y. Continue weeding and cultivating.

JULY 1ST.–AUG. 31ST. Do not cut foliage; it must be left all summer. Keep weeds under control; if drought comes, break it by heavy watering.

SEPT. 1ST.–30TH. Apply large handful of bone meal and wood ashes (equal parts) around each plant.

OCT. 1ST.–15TH. Set out additional new plants. Consult good Peony book for details of location, soil preparation, etc.

OCT. 15TH.–31ST. Cut off old stalks close to ground line, carry away and burn when sufficiently dry.

HARDY PHLOX

APRIL 1ST.–30TH. As growth begins to show, scratch in bone meal around clumps. Divide three-year-old clumps and set out new plants. Soil [illegible] oughly enriched with old manure.

MAY 1ST.–JUNE 30TH. Keep weeded and well watered in dry seasons. If red spider appears at any time, spray forcibly with cold water. For mildew, dust with flowers of sulphur when foliage is wet or spray with copper sulphate preparation.

JULY 1ST.–AUG. 31ST. Stimulate with liquid manure before flowering. Watch for red spider and mildew. Keep watered in dry weather and mulch with grass clippings. To prevent self-sowing (seedlings are often of poor color), keep old flower heads removed.

OCT. 1ST.–31ST. Divide clumps that have been undisturbed for three years. Replant divisions. Set out newly acquired plants.

HARDY CHRYSANTHEMUMS

FEB. 15TH.–MAR. 15TH. Start forcing established plants under glass for cuttings. Take cuttings when shoots are about 4" high.

MARCH 15TH.–31ST. Remove mulches from established plants.

APRIL 1ST.–30TH. Cultivate and feed with well rotted manure, bone meal and wood ashes when growth begins to show. Divide old plants and set out new ones. Be sure site is well drained.

MAY 1ST.–31ST. Keep up cultivation. Water well if weather is dry. Set out rooted cuttings late in the month.

JUNE 1ST.–30TH. Pinch back tall sorts to induce stocky growth. Watch for aphis and spray with nicotine preparation. Set out rooted cuttings now.

JULY 1ST. UNTIL FLOWERING TIME. Cultivate, feed occasionally with liquid manure. Spray for aphis. On no account permit soil to become really dry.

OCT. 1ST. TO END OF SEASON. Have light framework with plant-protecting cloth ready for night use when frost threatens.

END OF FLOWERING SEASON. Cut off tops 4" above ground. After soil is frozen, mulch with dry leaves or evergreen boughs.

DAHLIAS

MAY 15TH.–31ST. Plant individual tubers horizontally 8" deep and 4' apart in loamy soil enriched with bone meal, wood ashes and leafmold. Set stout support stakes firmly before placing tubers. Cover with 2" of soil and fill in gradually as shoots grow. Location should be well drained, naturally supplied with moisture, airy and preferably shaded during afternoon.

JUNE 1ST.–15TH. Keep down weeds, destroying them before they attain any size. If more than one shoot appears from any tuber, better pinch off the weakest.

JUNE 15TH.–30TH. Begin supporting the plants when 15" high. Tie to the stakes with strips of cloth, allowing plenty of room for growth. Cultivate regularly and water freely in late afternoon if weather is dry.

JULY 1ST.–31ST. Keep up regular cultivation and be sure the soil does not lack water. As the plants gain height, continue tying the main stalks to the stakes at 1½' intervals. Do not allow any one plant to have more than eight or ten branches. Sup-

(Continued on page 92)



DUBOIS
Reg. U. S. Pat. Off.

Woven Wood Fence

is made in France from live-cut Chestnut saplings, specially cultivated for durability as well as rustic beauty. Dubois fences in a variety of styles and heights will give more than a generation of service without upkeep expense



DUBOIS *is wonderfully adaptable to bring seclusion and protection to your home. Free illustrated catalog shows its many uses. Just send the coupon*

DUBOIS Fence & Garden Co.,
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Gentlemen: — Please send me [illegible] illustrated catalog of "Dubois" with price list and name of nearest dealer

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*City*_____ *State*_____

At the lowest price in history—The matchless beauty of famous GORHAM *sterling*

Craftsmanship famed for 100 years created these patterns . . . now the cost is from 25% to 33⅓% less

ETRUSCAN



SHAMROCK V



HUNT CLUB



FAIRFAX

SINCE last year the price of all Gorham's sterling patterns, both flatware and hollow ware, has been reduced as low as 33⅓%! Not in all history has this famous silver cost so little!

At these incredible prices you may now choose classic Etruscan, whose delicate beauty is based on the perfect proportions of ancient Greek design. Or lovely Fairfax, whose graceful Colonial lines harmonize equally well with any decorative scheme. Both are owned by many prominent hostesses.

You may have modern Hunt Club, proudly used by the Masters of Fox Hounds of some of America's great hunt clubs as well as in well-known private houses. Or, perhaps you prefer the new Shamrock V, named in honor of Sir Thomas Lipton. Brides of the smart world adore this charming pattern so perfectly suited either to fine period rooms or simple apartments.

Whichever Gorham pattern you select . . . it has been created with the artistry and skill that have made the Gorham name famous for over 100 years.

Add to the distinction and beauty of your table now. Authorities in the business world agree that an increase in bullion prices may come this year.

▪ ETRUSCAN, one of the best loved sterling patterns ever made. This is the pattern used by Mrs. William Lawrence King, Jr. Now six teaspoons for only $6.50. Illustration is four-fifths actual size.

▪ FAIRFAX is famous for its perfect expression of Colonial simplicity and charm. Mrs. J. Clyde Rogers is one of many prominent hostesses who own this lovely silver. Now six teaspoons cost $6.50.

▪ SHAMROCK V is a bride's favorite. It is beautifully proportioned and graceful. Shamrock is used aboard Mr. H. Edward Manville's sumptuous yacht, "Hi-Esmaro." Now six teaspoons cost only $6.00.

▪ HUNT CLUB, designed with modern simplicity, is the most sought after of any Gorham pattern of recent years. Used by Austin H. Niblack, Esq. M. F. H. of the Onwentsia Hunt. Six teaspoons cost $7.50!

Prominent Users of famous Gorham Sterling

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MRS. LOUNSBERY ALEXANDER
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Gorham

Exquisite matching dinner services in ETRUSCAN, FAIRFAX, SHAMROCK V *and* HUNT CLUB *patterns can also be bought at attractive reduced prices.*



Like the moated castle of long ago, *your* home today demands protection from the "assault" of the curious and the vandal. But our *modern* demand is best answered by the strength and permanence of Cyclone Fence.

With individual distinction worthy of the best craftsmanship, Cyclone Fence contributes, also, artistic beauty. It blends harmoniously with any desired landscape effect—the riotous blooms of the garden, the dignified spread of lawn or the vines and shrubs to which it lends sturdy support.

Cyclone Fence does not obstruct light and air and *permanence* makes it an economical investment—especially when you consider the reasonable cost.

Your Cyclone man has this organization back of him, to see that the work exactly fulfills the plan and estimate. Cyclone Fence is available in many styles for modest home or broad estate. Write for free booklet.

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Cyclone is not a "type" of Fence but made exclusively by Cyclone Fence Company and identified by this trademark.

Cyclone Fence
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COURTESY OF MRS. H. J. McCRODEN

For the Dog Lover's Scrapbook

When the late George Graham Vest, U. S. Senator from Missouri, was a young lawyer, he appeared as one of the attorneys for the plaintiff in a damage suit based upon the killing of a hound named "Old Drum". Here is his historic plea to the jury:

"Gentlemen of the Jury: The best friend a man has in the world may turn against him and become his enemy. His son or daughter that he has reared with loving care may prove ungrateful. Those who are nearest and dearest to us, those whom we trust with our happiness and our good name may become traitors to their faith. The money that a man has he may lose. It flies away from him, perhaps, when he needs it most. A man's reputation may be sacrificed in a moment of ill-considered action. The people who are prone to fall on their knees to do us honor when success is with us may be the first to throw the stone of malice when failure settles its cloud upon our heads. The one absolutely unselfish friend that man can have in this selfish world, the one that never deserts him, the one that never proves ungrateful or treacherous, is his dog. A man's dog stands by him in prosperity and poverty, in health and sickness. He will sleep on the cold ground where the wintry winds blow and the snow drives fiercely, if only he may be near his master's side. He will kiss the hand that has no food to offer; he will lick the wounds and sores that come in encounter with the roughness of the world. He guards the sleep of his pauper master as if he were a prince. When all other friends desert he remains. When riches take wings and reputation falls to pieces, he is as constant in his love as the sun in its journey through the heavens.

"If fortune drives the master forth an outcast in the world, friendless and homeless, the dog asks no higher privilege than that of accompanying him, to guard against danger, to fight against his enemies, and when the last scene of all comes, and death takes the master in its embrace, and his body is laid away in the cold ground, no matter if all other friends pursue their way, there by the graveside will the noble dog be found, his head between his paws, his eyes sad, but open in alert watchfulness, faithful and true even in death."

HOW LONG HAS IT BEEN *Possible* TO DO THESE THINGS WITH CARPET?



This color photograph was taken in a home in Forest Hills, Long Island. The Collins & Aikman Carpet, in Tuscan red, marine blue and gray, was furnished and laid by R. H. Macy & Co., New York.

F COLLINS & AIKMAN CARPET had been "just another carpet" when it was introduced two years ago, it would hardly have created such a commotion. But people possessed of decorative imagination quickly saw that here was a new decorative medium — and proceeded to get more and more stirred up about it.

They had good reason. Here was a *new kind* of soft, quiet carpet — one that was much more exciting than its cost would lead one to expect. Collins & Aikman Carpet sells at the moderate price of the old-fashioned strip carpet that had to be stitched together. But while it comes in 54-inch widths, it never shows a surface marred by stitched seams when laid.

Sections are joined by a new process which gives an unbroken broadloom appearance. A new phrase has come into the language to describe the result. Collins & Aikman Carpet is *seemingly seamless.*

Any number of colors may be combined, to give special effects such as the one in the photograph above, *without the excessive cost of special weaving.* Individual designs, inlaid crests and monograms, special borders — or plain-color broadloom effects in rooms of any size or shape — all these things are now practical with Collins & Aikman Carpet.

Every day we get more requests for our illustrated booklet, which deals more fully with the decorative significance of this new carpet, tells of its durability and economy, of the ease of cleaning afforded by its dust-proof, moisture-proof back. We'll be glad to send you a copy, if you'll write to Collins & Aikman Corporation, 25 Madison Avenue, New York City.

The Seemingly Seamless **COLLINS & AIKMAN CARPET**

USED AND SOLD BY LEADING STORES AND INTERIOR DECORATORS



The New Lincoln V-8—Five-passenger Coupe

A Single Standard of Excellence

Years ago the Lincoln tradition was established — to make as fine an automobile as it is possible to produce. That ideal has never for a moment been lost sight of. It is stronger today than ever before.

The new Lincoln V-8 cylinder car measures up to the same high standards that have always governed the Lincoln. Like the V-12, it is built of the best materials available by the most skilled labor. Advanced engineering, precision manufacture, careful testing of operations, characterize both cars equally.

The V-8 cylinder Lincoln is fleet-looking and richly furnished. Smooth abundant power from the 125-horsepower engine, secure ease of driving, unusual riding comfort, with new free-wheeling, synchronized gear shifting, remarkably soft but sure braking — such are only a few features of this new Lincoln.

Like all Lincolns of the past, the V-8 cylinder Lincoln is a modern motor car of balanced excellence that has been designed for your complete satisfaction. Prices of the new Lincoln V-8 range from $2900 at Detroit

THE LINCOLN

THE LINCOLN IS PRICED FROM $2900 AT DETROIT

THE GARDEN MART

OKS and PERIODICALS

GARDENERS' CHRONICLE [illegible] zine for lovers of the garden. It combines [illegible] ique and practice of horticulture with a popu[illegible] yle, which makes it a pleasure to read. Con[illegible] ors to the Gardeners' Chronicle are exper[illegible] familiar with the trial and tribulations [illegible] and, therefore, give you sound advice [illegible] month it brings you authoritative up-to-date [illegible] ation. Enjoy its benefit by taking advantage [illegible] special offer of 13 months for $2.00. Single [illegible] are 25 cents. Gardeners' Chronicle, 522-G [illegible] Ave., New York City.

HLIAS

CE DAHLIAS, GLADIOLUS and [illegible] ting Delphiniums. Famous for quality. Low [illegible] n price. Descriptive price list free. N. A. [illegible] 168 E. 66th, Portland, Oregon.

LIAS—35 for $2.00, 100 for $5.00. Perennial [illegible] des. Howard Hobson, Denton, M[illegible]

LPHINIUMS

E WINNING, proven leaders of America [illegible] 3 times winners Gold Medal at New York [illegible] field grown plants [illegible] Catalog [illegible] uest. W. C. Duckham, Box H, Madison, N. J.

PHINIUM WREXHAM HYBRIDS. Well [illegible] hed little plants from 2½" pots, will bloom [illegible] postpaid for $2.[illegible] per dozen [illegible] Tapscott Florist, Owensboro, Ky.

PLOYMENT

SERVICE DEPARTMENT: On request, the [illegible] ation will recommend to the owner of [illegible] tate, men for the positions of superintendents, [illegible] and assistant gardeners who are [illegible] qualified for the positions to be filled [illegible] their technical training and general [illegible] No member is recommended until he has been carefully investigated [illegible] of the [illegible] National [illegible] ation of Gardeners, 522 Fifth Ave., N. Y. C.

ERGREENS

KOSTERS BLUE SPRUCE 12 [illegible] [illegible] olumbus, Ohio.

TILIZERS

WALK TREE FOOD [illegible] containing all the [illegible] feeding of all woody plants [illegible] th and utility is the result of fifteen years [illegible] earch by the largest [illegible] tree [illegible] ca. After an application, it continues to be [illegible] rce of food supply all through the growing [illegible]. Descriptive folder on request. Amawalk [illegible] ries, Amawalk, New York.

URE! MORE MANURE! Turn every bit of [illegible] ble rubbish—leaves, weeds, cuttings, etc., from [illegible] rden, straw and cornstalks [illegible] manure (best of fertilizers) without animals [illegible] simple Adco process [illegible] how to make artificial manure [illegible] t. Free. Adco, 1710 Ludlow St., Phila., P[illegible]

URE'S GREATEST FERTILIZER for Gardens. [illegible] oodAshes Geo Stevens, Peterborough, Ont., Can.

ADIOLUS

IOLUS MAIL AUCTION. Apr. 15th. 50 fin[illegible] rieties at your price. Send [illegible] list [illegible] e Gardens, 1650 [illegible] O[illegible]

OVER 15 CENTS for large bulbs of varieties [illegible] a few years ago [illegible] t. Perrin, 764 Alberta St., Portland, Ore.

IS

ETTER IRIS, including all types, specially for spring planting. Fine healthy roots. Send [illegible] Kenilworth Gardens, R R 10, Cincinnati, O.

LANDSCAPE SERVICE

IALIST in ROCK GARDENS & Outdoor [illegible] Write for particulars [illegible] les, Inc., Allendale, New Jersey.

MISCELLANEOUS

FFERENT GLADIOLUS BULBS. Wonderful [illegible] worth $8.[illegible] for $[illegible] en $5.75; 10 Giant M[illegible] ers plant $2.7[illegible] .25 prepaid. Peony & Glad. catalog free. [illegible] Nursery, Fairfield, Neb.

USUAL HOUSE PLANTS IN POTS: 1 Mar- Zebrina [illegible] English [illegible] 1 Sedum Sieboldi. Prepaid $3.50. Ivar Ring- Florist, Rome, N. Y.

I AND SUCCULENTS seedlings and speci- plants. List on request. Sexton Gardens, R Yucaipa, Calif.

FORNIA SUNSHINE GERANIUMS. Finest [illegible] 25 varieties $3.00 [illegible] Plant Co., [illegible] Cal.

ORCHIDS

GROWN PLANTS—[illegible] unusually good subjects for the private con- [illegible] $2, $5, $7.50 and $10.00 each [illegible] 's and Cattleya Hybrids included. All plants [illegible] healthy condition. [illegible] on request. Orchidwood, Inc., 830 Pelham- [illegible] New Rochelle, N. Y.

ORIENTAL POPPIES

LARGE [illegible] plants [illegible] Grown from [illegible] rue to name. Perfection (lovely shell pink), (immense bright red with flowers 9" across) [illegible] H[illegible] Gardens, Kalamazoo, Mich.

PEONIES

PEONIES: Tree & Herbaceous [illegible] Red Hot Poker [illegible] postpaid. Oberlin Peony Gardens, Sinking Spring, Pa.

"HOW TO GROW PEONIES." A new, delightful book which you should read before ordering peonies. Full of practical information [illegible] for your copy. Mohican Peony Gardens, West Lawn, Pa.

PEONIES. Since 1908; 200 rated varieties, after discarding from 2000 older varieties. Write for free catalog. Fair Nursery Co., Box 106, Weiser Park, Pa.

TREE PEONIES. Comprehensive assortment at $3 to $65 each. Catalog free, giving full description and information. Fair Nursery Company, Box 106, Weiser Park, Penna.

PERENNIALS

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HUGHES ROSES are guaranteed to bloom the first season. Also the largest & best rooted obtainable. [illegible] you can [illegible] with [illegible] roots. Free illustrated catalog upon request if you intend planting roses. Robert Evans Hughes, Rose Specialist, Route 5, Williamsville, N.Y. near Buffalo.

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GARDEN TOOLS [illegible] A. M. [illegible] & [illegible]

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New MONTBRETIAS



New hybrids of the Earlham strain—a notable advance on the ordinary commercial varieties. Taller, more robust with flowers often 3 to 4 inches in diameter hung like fairy lamps along stout wiry stems. Easily grown—will live over winter with heavy protection.

[illegible]—Bright yellow [illegible] 50c each

His Majesty—[illegible] gold. 50c each

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Una—Rich apricot, with carmine blotch, 2½ ft. 35c each

1 each of the above 8 varieties $ 3.00
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Mixture of Earlham Hybrid Montbretias 1 doz.—$2.50 100—$18.00
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—and don't miss these new arrivals from the court of Beauty—

SUPREME COLLECTION OF 6 SUPERB NOVELTIES

Tithonia Speciosa—The Golden Flower of the Incas—[illegible] tall branched shrub-like plant standing 8 to 10 feet tall, covered with blossoms like single Dahlias of the most brilliant orange-scarlet with tufted centers of gold. Easily grown from seed. Blooms from late summer to heavy frost. Pkt. $1.00

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The Collection—$3.50

9 HARDY GARDEN LILIES



that deserve a choice spot in your garden

All first size mammoth bulbs

3 Regale (Regal Lily)—Long white trumpets touched with rose. Center, creamy yellow. 3-4 feet. $1.00

3 Auratum (Gold banded)—Pure white petals, dotted with maroon, banded with golden yellow. 3 to 4 feet. $1.35

3 Speciosum Rubrum—A lovely autumn Lily, satin white, heavily dotted with deep pink. $1.35

3 bulbs each (9 in all) $3.50
6 bulbs each (18 in all) $6.25

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A $7.00 Value for $3.50

50 Bulbs for $2.00



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GREEN PEAS *(and lots of them)* from JUNE to AUGUST—*if you know this secret!*

SCHLING'S "LONG SEASON" PEA COLLECTION



½ lb. each of all 6 varieties, 3 lbs. in all $1.75
1 lb. each of all 6 varieties, 6 lbs. in all 2.75
2 lbs. each of all 6 varieties, 12 lbs. in all 5.00

Schling's Seeds

Madison Ave. at 59th St. New York City

The grafting of choice evergreens



THE SCION, at the left in the picture, is ready for insertion on the stock, the stem of which has not yet been cut to receive it

ALMOST every enthusiastic amateur gardener upon walking through his garden can feel the exhilarating atmosphere that hovers continuously about the evergreen bed. He also knows that Nature is very liberal in rewards even to the most painstaking labor, and enjoyable even in spite of the little tediums it includes. This, of course, every conscientious gardener realizes. For, whether we purchase a tree from a nursery or grow it from seed, there is always pleasure to be had watching it grow while in our possession. More often, though, there is greater pleasure to be derived from a seedling sown by our own hand and tended from infancy than from an orphan that is purchased from the nursery. Somehow or other it gets under our consciousness to see the little plants throw out their branches in spring, in full appreciation of the pains we have taken.

A tree from the local nursery is never fully beautiful until it has spent one spring with us and put on a new growth, while the seed is not half so precious as when it is beginning to germinate and sprout. It seems that the greater change we effect for the bet[ter], the more prized is the object of [our] choice. So if a seed can hold us [so] deeply interested, what of a graft[ing]

Up to the present, seedling and [graft]ing methods were the only things th[at] the amateur gardener has been able [to] feel elated over or to take pride in [do]ing. But of late, there have been m[any] amateurs who have had decided l[uck] with grafting; the most interest[ing] thing about the nursery.

Grafting usually means the union [of] two parts: the scion, which is m[ade] from a twig, and the stock, which [is] usually of the same species or a clo[sely] related one, from which the root s[ys]tem is to be developed. These are j[oin]ed by the successful growing toget[her] of the cambium, or tissues, just be[low] the bark film on the two pieces. T[his] being a simple and interesting th[ing] it can be quite easily accomplished [by] the amateur.

There are many others who, if th[ey] avail themselves of this opportun[ity] will see the very beautiful specim[ens] that can be created. For it has be[en] proven that not only can grafts [be] made in the nursery but ca[n be] by the amateur at home.

To perform a grafting ex[per]iment at home, our equip[ment] need only be a heat[ed] sun porch, or if lacking th[is] a warm room with a windo[w] a grafting box constructed [of] wood six inches high, two f[eet] long and any desired width [of] sash (*Continued on page*





ABOVE, both stock and scion prepared for the joining; at the right, the graft completed and tied to hold it in place. When the union has grown together the stock is cut off just above it so that all the strength is thrown into the scion portion

A Garden Full of Lilies for $3.00



Lilies for Spring Planting

American garden lovers, who have been in the habit of planting their lily gardens in the autumn, will be pleased to know that they may now secure many of the finest lily bulbs for spring planting.

This has been brought about by the wonderful advancement made in the science of refrigeration, with the result that commercial florists have been growing them to bloom at any time of the year desired from bulbs taken from cold storage.

Special Offer—12 Beautiful Lilies for $3.00

Three Bulbs Each of Four Fine Varieties

uratum—The Golden-rayed Lily of Japan.

egale (*Royal Lily*)—The gem discovered in the mountains of China.

Magnificum—The beautiful pink spotted Lily of Japan.

Tigrinum (*Tiger Lily*)—A famous lily widely grown in our country.

All bulbs of good out-door planting size. Plant in April and May for Summer Blooming.

Our Seed Annual for 1932 sent on request

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Magnolias

March suns have hardly warmed the soil, and the spring landscape is barely awake when the Magnolias burst into bloom. Any grounds may have this wonderful display for many weeks, for Magnolias thrive in open spaces, need little care, and are among our finest spring-flowering trees.

Three Months of Flowers

First comes the Starry Magnolia whose star shaped flowers, as white as winter snows, mantle the trees before the leaves appear. The Saucer varieties (M. soulangeana and M. alba superba), Alexander, Yulan, the Purple Lily, Lenne and the native Magnolias, carry the blooming period well into July.

The beauty of Magnolias is enhanced by the colors of Azaleas and Rhododendrons which bloom at the same time. This trio of spring-flowering trees and shrubs is described fully and pictured in natural colors in our catalog

Evergreens, Azaleas, Rhododendrons

together with broad-leaf evergreens, flowering plums, hawthorns, Japanese cherries, rare shrubs and vines. A copy will be mailed *free* east of the Rocky Mountains (west of Rockies please send 50 cts. for catalog).

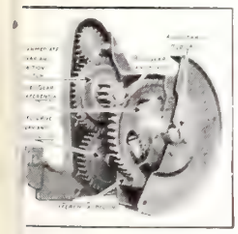
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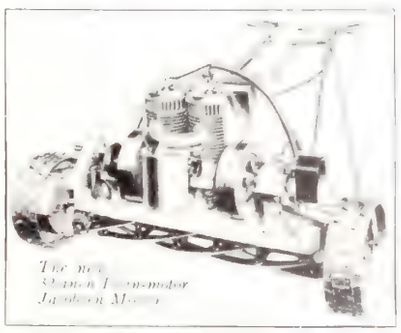
Sectional view of gear-drive

Jacobsen
POWER MOWERS

Enclosed, precision-cut gear-drive running in oil is a feature of Jacobsen Power Mowers. They have no chains or sprockets. The "oil-floating" gears, found only on a Jacobsen, will give many years of smooth, quiet service after ordinary mowers have been worn out.

New 1932 "4-Acre" Mower

Newly designed for easy handling and true cutting. Turns under its own power by mere pressure of a finger; cutting cylinder improved and made more durable; finely tempered blades; improved high compression motor with instantaneous mechanical starter. Rubber tires optional equipment.



The new 32-inch Twin-motor Jacobsen Mower

New 32-inch Twin Mower

A sensational mower designed by engineers whose achievements lead the power mower industry. It has worlds of power under perfect control; will climb a 45% grade; easiest to operate, most tractable mower made. Gang Attachment increases its cut to 66 inches, or 2½ acres an hour. The new "32" will solve your mowing difficulties for life. A boy of 14 can run it easily. *Write today for our latest catalog.*

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—from 20" to 66" cutting widths—prices $150 and up.

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ALADDIN-ALADDIN

A NEW Ever-Blooming Hardy Chrysanthemum



ALADDIN

BLOOMS of burnished copper and gold, ever increasing from late July to November, distinguish Aladdin from all other Hardy Chrysanthemums. Three or more glorious blooms, carried on long stems, make it brilliant in garden borders and masses. For indoor decoration the flowers are superb, lasting 10 days to two weeks after cutting. Aladdin has been awarded several gold medals, certificates, and cups as the best Hardy Chrysanthemum of recent years.



Strong plants, 3-in. pots $1 each,
$9 for 10, $80 per 100
6 plants at 10 rate, 25 at 100 rate

Send your order today to [illegible] and receive [illegible] Catalogue with [illegible] Aladdin with [illegible] and vegetable seeds, perennials and garden supplies

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Totty's
GARDEN ROSES



OLYMPIAD

This is the sensational Rose of the decade, and the outstanding novelty for 1932. The scarlet flowers are beautifully formed with bright golden flashes at the base of the petals. This rich color is further intensified by a marvelous velvety sheen that renders the flower exceedingly effective especially in artificial light, with a scarlet glow of flame-like brilliancy. The buds are long and pointed, petals very broad, and the blossom is magnificent in every stage of development.
Price: $2.00 each, $20.00 per dozen.

ROSES

grown by Totty's are known everywhere for their excellence. In our extensive assortment of healthy field grown stock, there are the outstanding novelties as well as the established favorites. All of our roses are grown under the closest supervision and show the results of a quarter century of expert propagation. For 1932, Totty's again offers the most complete selection of novelty and standard roses obtainable. They are fully described in our new catalog, which will be sent upon request. Price: $10.00 per doz., $80.00 per hundred.

TOTTY'S, MADISON, NEW JERSEY

TOTTY'S, Dept. 8, Madison, New Jersey

Please send me your catalog of OLYMPIAD ROSES

NAME

ADDRESS STATE

The grafting of choice evergreens

(CONTINUED FROM PAGE 90)

cover it, peatmoss and understocks of the same species as the trees we wish to increase. The understocks can be purchased from the nursery already potted at a very reasonable sum.

To begin with, the graft case must be placed either on top of the radiator or in such a position that it will receive a moderate bottom heat. Next, a coat of well moistened peatmoss is applied to a depth of about 3 inches over the bottom of our graft case, and the understocks are watered well and then planted in this peatmoss. Here they can remain for about a week to develop root fibers until we are ready to make the graft, the best time for which is usually in February and March.

In selecting the scion, wood of one season's growth is preferable to older wood because unions with it are more easily made and the buds are more likely to grow.

For making grafts efficiently, a knife with a thin, stiff blade that will hold a keen edge is necessary.

The scion, 3″ to 6″ or 8″ in length, is prepared by cutting off the lower end diagonally with a single stroke of the knife, making a flat surface about 1¼″ to 1¾″ long. A corresponding cut is then made on the stem of the understock. This cut, of course, is made no deeper than the skin or bark. The scion is now ready to be placed against the stock. When we have done this we pull the bark that has been left hanging on the understock up over the exposed surface of the scion; held carefully with the thumb and forefinger and tied with strong cord and a light coating of paraffine applied. Care must be taken here that the cord is not pulled too tightly, as the tender tissues are easily injured.

Immediately after the graft is made it is laid in an inclined position, the grafted side upward. When all the evergreens are thus grafted, the cover of the graft box must not be taken off for at least two weeks, except that each morning it may be lifted about an inch and left so for a half an hour to permit the escape of foul air that accumulates within. The sash each day must be covered with some light cloth or paper when the sun's rays become too intense and threaten to scorch, but not so heavy as totally to exclude the light. It is usually applied when the temperature reaches 80° inside the box. A night temperature of 60° in the grafting case is desirable, while a temperature of not over 90° is permissible during the day. Watering should be done every three days.

After three or four weeks the scion bud will be sprouting and part of the top of the stock may then be cut off in order to divert the growth gradually to the scion. At this time the temperature need not be so high, as the cambium tissues will have begun to heal and are about ready to be placed in a cooler atmosphere to harden.

With the coming of the warm weather, the grafts may be placed outside shade afforded and precautions taken against draught. By the time summer has arrived, the soft growth that was made in the graft box will be already hardened and able to stand the intense heat of the sun. After these grafts have survived the first season, they are treated like any young evergreen.

JOHN NICHOLAS MANGELS, J

Health hints for your favorite flowers

(CONTINUED FROM PAGE 86)

port these with cloth strips leading to the stake. If buds appear, nip them.

AUG. 1ST.–31ST. Disbud for better flowers, nipping off the two outside ones from every group of three buds when about the size of peas. Before flowers open, break off small shoots at stem joints of flower stalks, except those at lowest joint.

SEPT. 1ST.–OCT. 15TH. Some time during this period the plants will probably be killed by light frost and their beauty suddenly ended for the year. When this occurs, wait two or three days and then cut off the stalks just above the ground. Pull out the stakes carefully. Get a second digging fork and a helper to use it. Man the forks, one on each side of the root clump, drive in deeply and lift together to avoid breakage of tubers.

Turn clumps upside down, soil still adhering, to drain water out of stalk butts. At night, bring them under cover to dry. Store in a dry, cool cellar (ideal temperature 40°–50°). Recommended covering materials are dry sand and peatmoss.

GLADIOLI

APRIL 15TH. If soil is reasonably dry, select sunny, well drained spot and spade or plow 10″ deep, removing all stones and breaking up clods. Slightly acid soil, light and moderately rich, is best.

MAY 1ST. Make first planting, setting bulbs 4″–6″ apart and about 4″ deep. Dig bone meal into soil below them. Fill in 2″ after planting, firm down, and complete filling with loose soil. For exhibition flowers, plant 1. apart, 3″ deep.

MAY 15TH. Make second plantir for succession of bloom.

JUNE 1ST. Make a third plantir Cultivate and water first plantir if weather is dry. When first plar ing is 6″ high, give top-dressing bone meal and wood ashes.

JUNE 15TH.–JULY 1ST. Further su cession plantings. Fertilize earli plantings as directed previously.

JULY 15TH. Begin staking talle plants, especially if exposed to win If grown in rows, stretch heavy stri 2′ above ground on each side of r for support. Keep up cultivation. Fe tilize first planting again. When wate ing, add weak manure water.

AUG. 1ST.–SEPT. 30TH. Cut flow stalks when lowest bud opens. Lea two or three lowest leaves so th bulb can ripen properly.

OCT. 1ST. As a rule, this is the b time to begin digging, but rememb that at least six weeks are required ripening in the ground after flowers over. Cut off tops close to bulbs, pl the latter in a shady, airy place fo week, then let them dry in the sha for two weeks before storing in c frost-free cellar.

SINCE 1867

COLDWELL



Above: Coldwell "Trem-Hurry" motor lawn mower and roller. Mows and rolls simultaneously, cuts 5 acres a day on one gallon of gasoline.

You Can Now Have Finer Lawns and At Less Expense

THE 1932 Coldwell Dependable Power Lawn Mowers and Rollers have set a new standard for PERFORMANCE and Dependability.

Powered with a new smooth running twin-cylinder motor—New type speed control provides greater flexibility for trimming.

Let us send you details of many other new and outstanding refinements, also name of nearest authorized Coldwell Sales and Service Agency.

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Dehydrated Cow Manure and PEAT MOSS Soil Improver

TRADE MARK REG. U.S. PAT. OFF.

THE RIGHT FERTILIZER

Because it's a NATURAL MANURE FERTILIZER

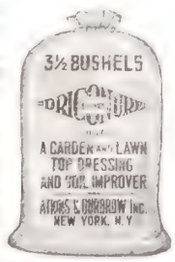
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In Driconure we give you good rich cow manure . . . containing many, many times the food value of common barnyard manure . . . dehydration concentrates its food elements.

In Driconure you find it with certain [illegible] that will not scorch . . . free of weed seeds . . . of pleasant odor . . . it contains . . . [illegible] —humus!

Let us tell you more about Driconure and the Driconure dealer at the conspicuous location near you. Write for "How" and "Why" booklet. Address Dept. 4-O. Or, if you prefer, just say "Send me the Natural way, the right way." We'll keep that in mind and let you know.



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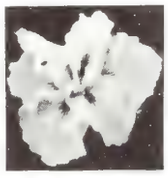
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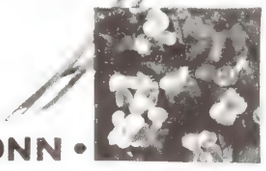
—you should know about it



It is the practice of many nurseries to grow *almost everything*, whether it is a good, bad or indifferent variety. By this policy of having *almost everything*, much that is inferior is grown and offered. Differing from this policy, Bristol, perhaps more than any other grower, eliminates inferior and unpromising varieties in their own selections. This is Bristol's *pre-selection* which protects you—and costs you nothing extra.

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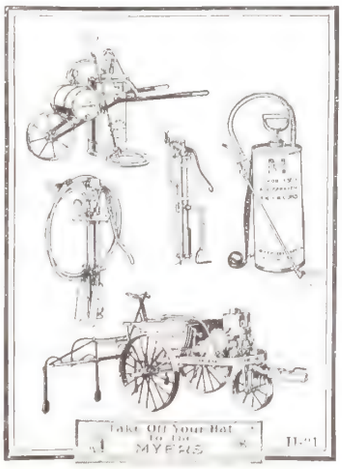
Better Gardens-



SPRAY *as the* Professional Growers *do*—

NO professional growers attempt to raise trees, shrubs, fruits, flowers or vegetables without spraying regularly to guard against fungus and insect pests which are ever ready to destroy their plantings. Your own garden can never reach its greatest beauty and productivity without the same kind of spraying protection. The task becomes simple and inexpensive when you have spray equipment of the same high quality and made by the same factory that supplies so many market growers with their spray outfits.

MYERS Hand and Power Spray Pumps



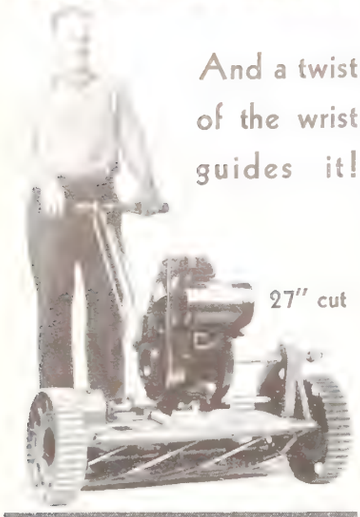
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have generated. The best and least expensive pre-seeding fertilizer is super-

1000 square feet. Seed should be

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grass, of the very best kinds, as plants that will soon spread and give the very best kind of sward; it is this method that must be employed in the South. But if there is any lawn at all to start with, it is better to fertilize and encourage it than to dig it in and remake it completely. The weedless formula is arrived at by mixing equal parts of sulphate of ammonia, superphosphate and muriate of potash, which is applied at the rate of 17 pounds to the 1000 square feet. Lime should be used only when it is thought necessary to increase the calcium and magnesium content of the soil or to correct acidity; but, it should be noted, only blue grasses prefer alkalinity, while bents like acid conditions and fescues want conditions that are slightly acid.

For removing weeds there are various devices. The troublesome chickweed, if not raked out in order to reseed the scar, should have ammonium sulphate dusted on the leaves and then, after twenty-four hours, the dusted area should be heavily sprinkled, or five pounds of arsenate of lead might be applied to every thousand square feet. Against crab grass, however, there is no medicine; it must be raked out before it goes to seed and the area must then be top dressed with loam and good seed. Larvae of the June beetle and of the Japanese beetle are killed by applying, in the spring, arsenate of

pounds

L. B. M.

ENGLISH DECORATIVE TEXTILES, TAP-

Hunton. London: John Tiranti and Co.

EVERYONE interested in decorative textiles will welcome this valuable addition to the all too scanty literature on this intensely interesting subject. The text is brief, 7½ pages, but offers an excellent digest. The Bibliography of Works Consulted fills another page, and the book itself consists of 180 illustrations, both rare and familiar. On the whole, the examples illustrated are well attributed as to period or date, but the common tendency to antedate all antiques has not been completely avoided. One precious scrap of chintz, which an earlier writer classes as Queen Anne, is here classed as 18th Century, while another authority—better in our opinion—dates it as Victorian. But, as this writer says, an adequate survey of what has been done in England "in printed stuffs since the middle of the nineteenth century would be a tremendous task," and as much may be said for the work of the first half of that Century, before The Great Exhibition of 1851 put all English craftsmen on their mettle.

Many of the illustrations in this fascinating picture book are from the collections in the Victoria and Albert and The Metropolitan Museums; a few are from private collections, and due acknowledgement is made to "the works" whence the chintzes issued whenever their source is allocated.

In fairness to our own knowledge of this subject, we must also note that frequently a chintz is said to be printed from an engraved roller, when actually printed from a copper plate, and is claimed for wood blocks when also printed from plates. Even museums are not scrupulously careful in noting these facts but if noted at all we feel they should be accurately noted. Nevertheless the book is welcome and delightful. Everyone interested in chintz, and all who study tapestry, will receive it eagerly.

The tapestry examples cover the sequence of English tapestry weaving quite well, and include many interesting heraldic panels and those alluring old tapestry maps of the English Counties, three of which are from the Yorkshire Philosophical Society and two from the Bodleian Library, Oxford. There are only 58 tapestry illustrations, the bulk of the book being given to printed fabrics, 12 of which are William Morris fabrics, interesting as documents but of little account in the actual development of English chintzes and cretonnes. The book is so fascinating, it is hard to lay it down.

G. G. G.

COLOUR IN INTERIOR DECORATION. By John M. Holmes. New York: Charles Scribner's Sons.

THE author is "Lecturer in Decoration at the Architectural Association School of Architecture, London." The "u" in the first word of the title advises us of the British origin of the work, so that we Americans are prepared to understand the statement in the "Foreword" that "We get so little sun that the possibility of some compensation in colour should be explored. Colour can give much that our climate lacks and if it cannot replace sunshine it can at least provide brightness and cheer."

This reason for the employment of color in Great Britain is the direct opposite of the reason given by the great Egyptologist, Maspero—or was it Perrot and Chipiez?—that the vivid coloring used by the ancient inhabitants of the Nile valley, both on the exterior and interior of their buildings, was necessitated by the intensity of the African sunlight—the great god Ra shining in resplendent glory at midday.

However, devotees of color will probably agree with these divergent reasons for its use, and Mr. Holmes has treated the very difficult subject of color in an able way. If somewhat technical, this is necessary for the presentation of such a highly technical subject as the use of color in interiors, but the book gives interestingly a well-arranged and concise presentation of the subject with many color plates. The use of gray, that color of infinite variety and complication, is gone into quite thoroughly. There is much information and valuable suggestion for designing and carrying out color schemes for interiors, also illustrated.

G. G. G.



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GUARANTEED TO BLO

The garden scrap book

JAPANESE BEETLE CONTROL From a recent issue of *Horticulture*, that excellent magazine of the Massachusetts Horticultural Society, we quote a letter written by Charles H. Landreth and urge widespread trial of the experiment it describes.

"Last summer," writes Mr. Landreth, "a large seed establishment conducted tests at Bristol, Pa., in the heart of the area infested with Japanese beetles, with the result that a new and natural control was accidentally discovered. A short distance away from the main flower trials, a planting was made of Ricinus, the Castor Bean. The Castor Bean has a showy tropical appearance, singly or in groups. It is a tender annual and valuable for screens, as it grows about fifteen feet tall and about seven feet wide. From it is derived castor oil, only too well known by children. The *Ricinus sanguineus* and *R. zanzibarensis* are the best.

"It was soon discovered that the Japanese beetles left the flowers and swarmed over the Castor Beans, eating the large leaves. These plants, however, cause slow but sure death and great piles of beetles were swept up from under them each morning. Hundreds of beetles constantly swarmed about the plants of the tropics and met destruction. This is a most useful discovery, as a ten-cent paper of Castor Bean seed planted a short distance away from a garden will help solve the Japanese beetle question in a natural and economical way. Incidentally, it was noted in these tests that the beetles desire light colored flowers to feed upon."

FOR OUR CONDITIONS In considering the soil of any garden whether devoted to flowers, vegetables or small fruits, there are two factors which bear definitely on the size and quality of the yield: physical condition, and the kinds and amounts of plant foods which are present in "available" form, or in such form that the roots can absorb them. Ideal garden soil is light and moisture-retentive, without being soggy; it contains plenty of disintegrated vegetable matter or humus, and is easily penetrable by small roots. On the chemical side, it contains adequate amounts of nitrogen, phosphorus and potash, the most important of the necessary plant foods.

Of these two general conditions, the latter is quite easy to provide, in case deficiency is present; all one needs to do is buy the right kind of fertilizer and apply it in the right way at the right time. Improving the soil's physical condition, on the contrary, often involves a good deal of time, material, labor and consequent expense. Were it not for the opportunities provided by cover crops many of us would have to

(Continued on page 96)



Art in
DAHLIAS

GRACE, poise, daintiness — all personified in these Orchid Flowering Dahlias. The flower lover's solution to meet every artistic demand. Though but recently introduced in this country, the lovely Orchid Flowering Dahlia already has a legion of friends.

Dahliadel is happy to offer to the gardening world eight varieties in a great range of both soft and bright colors, each selected for its own personality. Their inexpensiveness is still another asset in their favor.

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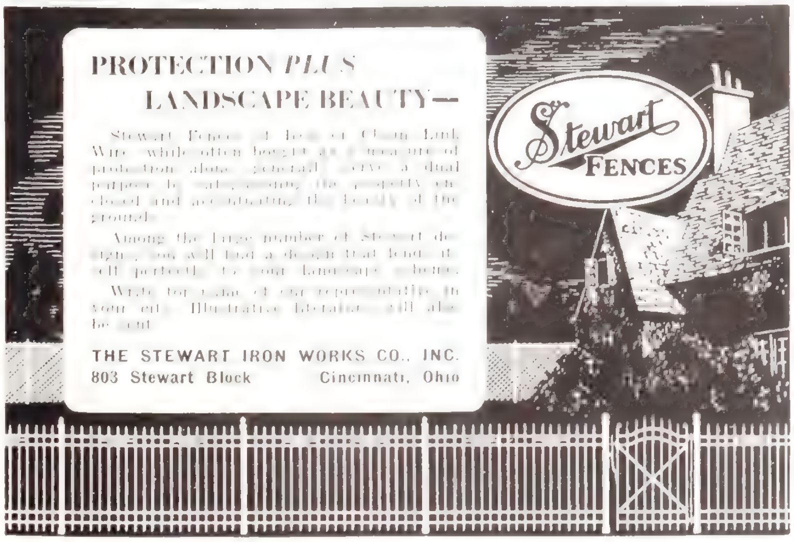


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America's Foremost Bird Authority

Mr. Dodson has supervised the building of bird sanctuaries for C. W. Seiberling, Henry Ford, Drs. Mayo, John D. Rockefeller, Harvey Firestone, George Vanderbilt and many others — as well as prominent country clubs such as Westchester Biltmore, Olympia Fields and Onwentsia. Even a small yard or garden can be made a haven for our beautiful birds. Write today for information. Mr. Dodson will be glad to confer personally regarding the construction of a sanctuary or the proper location of bird houses on your property.

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Here is a special collection for a woodland pathway:

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12 Lady Fern	$1.50
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84	$13.00

[illegible]

[illegible]

GEORGE D. AIKEN
Box Y Putney, Vermont
"Grown in Vermont, It's Hardy"

The garden scrap book

(Continued from page 95)

to find it.

[illegible] peas, [illegible] and [illegible] which [illegible] the [illegible] with its kind. [illegible] and [illegible] is also of [illegible] so that it can be [illegible] and add [illegible] as well as [illegible] plant food (chiefly nitrogen) to the soil. Rye, Vetch, Soy Beans and Field Peas are excellent for this use. On ordinary garden areas that are worked by hand one of the standard types of Cow-peas is as good as any.

Cow-peas are sown three or four inches deep in rows a couple of feet apart, early in May. By midsummer they will be coming into flower, and this is the time to cut them down and turn them into the soil with a fork or spade. By the following spring they will have rotted away and you will find that, whether your soil was too sandy and gravelly or too heavy with clay, its consistency will be decidedly improved. Thus, for an outlay of perhaps twenty-five cents for seed, you will have obtained many pounds of extremely useful "green manure."

LILY SEED RESULTS. Gardeners who like to try experiments will be interested in the experience which Mrs. Julian Armstrong has had with grow- *Lilium philippinense formosanum* from seed at her home in Illinois. Mrs. Armstrong writes us as follows:

"We bought a fifty-cent packet which, as I remember, contained about fifty seeds of this Lily. These were planted February 5th in the greenhouse and all germinated but remained unattractive looking little seedlings until they were planted out late in May in a spare bed which contains several experiments that my gardener regards with disfavor.

"This despised bed, which is rather stony clay, near a voracious Oak tree, I liberally fed with several different kinds of commercial fertilizer, beginning with Vigoro at one end, milorganite in the middle and ending with bone meal at the other. Owing to the excessive heat and dryness of the season, I watered this bed as often as I pleased, and as much as I pleased, in spite of persistent opposition and advice.

"The result was a triumph! A vindication! Philippinense Lilies were like Easter Lilies. The leaves were a little greener and more attractive in growth but the shape of the flower was nearly the same, a trifle more geometrical and not so rounded. The scent was delicious in nearly all. Each and every plant flowered. Starting in late August when the flowers came one [illegible] two to a stalk, they bloomed pro-

2 STAR ROSES

First quality plants, trademarked with celluloid star label, guaranteed to bloom or money refunded.

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[illegible] of the items listed below — full $2.50 value.

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3. Latest [illegible] "Rose News" filled with facts, fancies and valuable information about new roses.

4. "Star Guide to Good Roses" for 1932 describes and pictures nearly 200 of the most dependable roses, 62 illustrated in natural colors.

"Star Guide" and "Rose News" sent promptly—Roses at planting time. Send $1.00 at once while this offer lasts.

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The Quickest Way To Sure Results with HARDY PLANTS

START right, right at the start. Start with only two year old, outdoor grown plants. Big clumps with plenty of roots, and none others. Such plants start growing at once and positively bloom first year.

So far as we know, no one but Wayside Gardens grows and sells such plants, at the same price as others, that are worth so much less.

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EVERY year Aphis (plant lice) and other insects do great harm to plants, shrubs and flowers. Protect your garden with "Black Leaf 40." It is highly concentrated; a little goes a long way.

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Purple Beech
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$10 for 10 trees

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[illegible] and [illegible]

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WATER LILIES

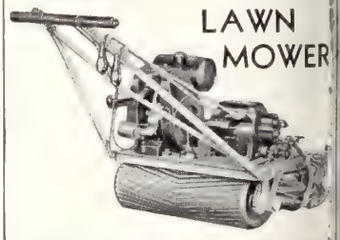
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The Double Rotary Junior Sprinkler gives all growing things [illegible] It [illegible] distributes water more nearly like gentle rainfall than any other mechanical [illegible] circular area from 15 ft. to 80 ft. in diameter according to pressure.

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[illegible] DAYS [illegible]

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Garden Enemies How To Control Them

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The garden scrap book

fusely with four or five to a stalk in early and mid-September. The plants that had been cut sent up one side shoot each, which in many cases flowered more heavily than the first spike. In late September we lifted many of them and potted them up for the greenhouse and have had one or two coming along all fall. In fact, in my living room I have one last spike with five blooms now, two days after Christmas. This is a record for seedling Lilies as far as I can find out.

"My gardener put one row of these Lilies out with other young plants which he insisted needed very little watering. He got no blooms at all.

"The ducks nibbled the tops off about a quarter of mine once during the summer and the St. Bernard lumbered across them several times, but it seemed to make no difference in the end. They did beautifully—as well as the most expensive *harrisonii* bulbs have ever done in our greenhouse."

FEEDING ASPARAGUS. One of the secrets of success both in starting and maintaining an Asparagus bed is abundant soil fertility. The plants are voracious feeders and make such a heavy growth of roots as well as tops that only continued rich diet can replenish the supply and keep them at their best. If this is provided the bed should yield abundantly for many years.

In the original making of an Asparagus bed it is well to tramp down several inches of manure in the bottom of the trench, upon which three or four inches of good top soil enriched with ground bone are spread as a base on which the long-rooted crowns are set. The balance of the filling should be done with good friable top soil in which a generous amount of humus and raw ground bone has been mixed.

Besides this initial application, the planting should be given additional food early each spring, before growth starts, and again in the fall. Various forms of manure are used successfully for this, since their beneficial chemicals are readily carried down to the roots by the rains. The dried, pulverized forms are the most concentrated and the easiest to handle. An excellent combination, embodying both nourishment and humus-making matter, is peatmoss thoroughly compounded with special seed-free cow manure. This is sold dry in bags. All applications should be scattered on the surface and raked in lightly.

It takes two or three years to get a new Asparagus bed bearing heavily. During this period only very moderate cutting of the young stalks is allowable. Even after the planting is fully established no cutting should be done after the middle of June, for many stalks must be left to ripen.



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POWERFUL, quiet, fully-muffled, air-cooled motor does *all* the pushing; also whirls the 18" cutting blades. Runs right through tough, long grass that would take hours of drudgery with a hand mower. Actually mows half a foot to walls, trees and hedges. Goes up and down or lengthwise of any terrace that will grow grass. One afternoon, will mow six to eight lawns of 100-foot lot size at a cost of about a dime. Costs no more than a good hand mower when neighbors split Lawn-Boy's cost of only $96.50! Easy terms.

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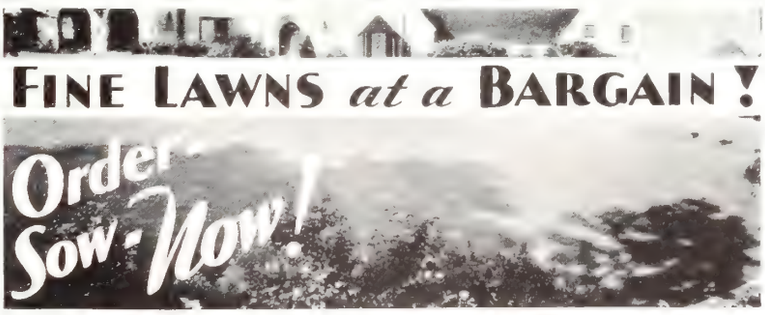
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*Anaconda Copper, Brass & Bronze [illegible]
*Celotex Insulating Board 8
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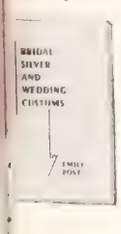
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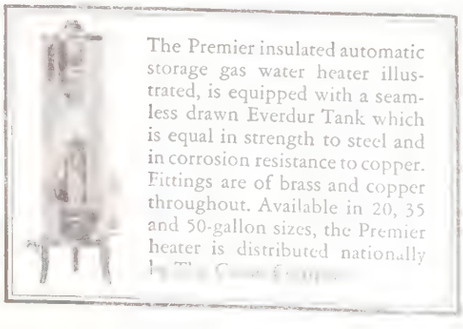
Rustless storage tanks deliver clear water, save fuel and last indefinitely



ANY *new* water heater will give satisfactory service. Regardless of the kind of metal used for the tank, you will at first receive a plentiful supply of clear, *clean* hot water. But if the tank is of rustable metal, it will become a source of annoyance and expense.

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Premier Gas Water Heater, Distributed by The Crane Company

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ANACONDA
from mine to consumer



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R. J. REYNOLDS TOBACCO COMPANY, [illegible]

CAMELS

***Made* FRESH—*Kept* FRESH**

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R. J. REYNOLDS TOBACCO COMPANY
COAST TO COAST [illegible]
Camel Quarter Hour
[illegible]
Prince Albert Quarter Hour
[illegible]
See station page of local newspaper for time

932, R. J. Reynolds Tobacco Company

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Insulation Headquarters

offers money-saving advice fitted to *your* Insulation need



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These men are experienced lumber and building supply dealers. They can tell you about today's surprisingly low cost of all building material.

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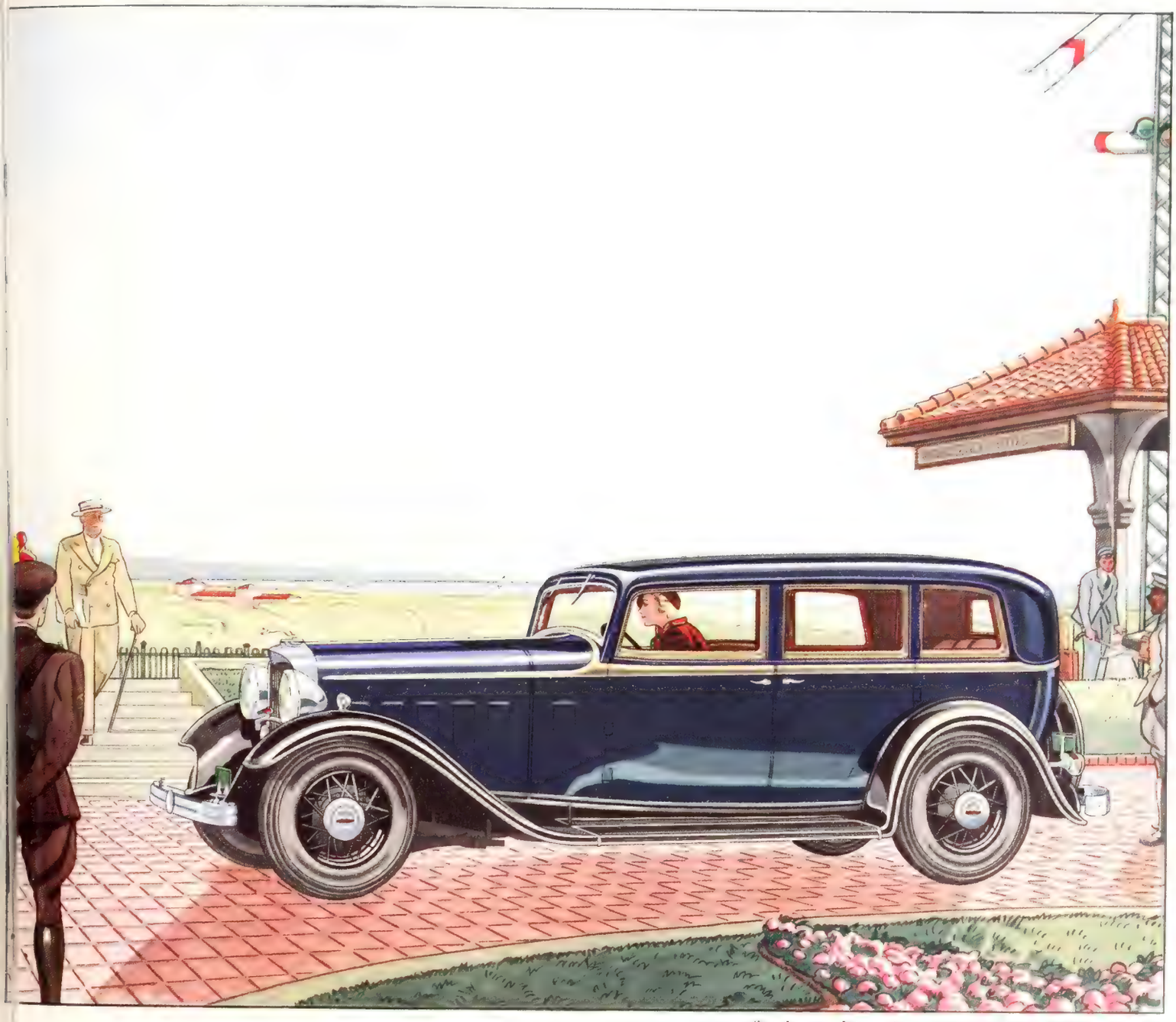
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Above: Fontaine, Pattern 1279 — Typical of the simple beauty of American colonial days is this charming room, [illegible]

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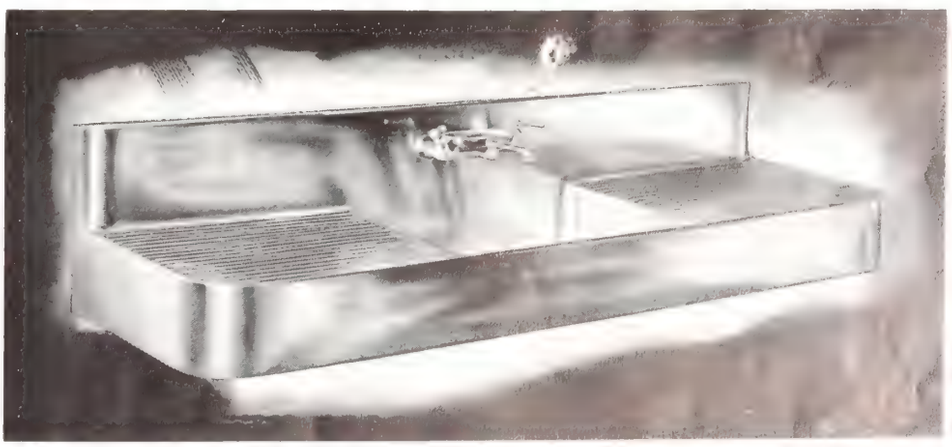
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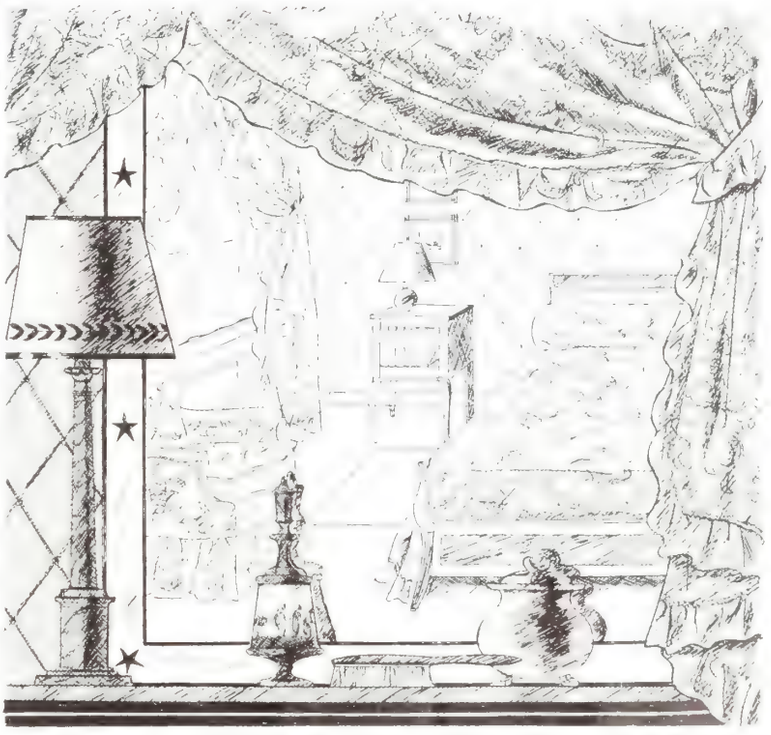
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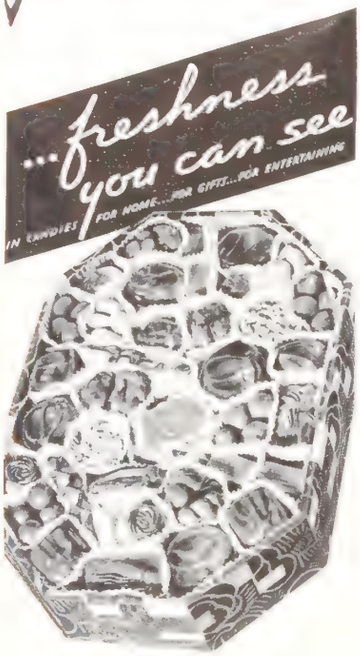
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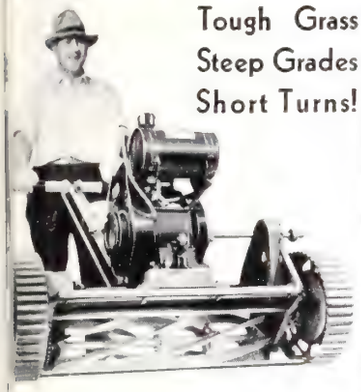
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BUILDING MATERIALS

House Building Equipment

1. [illegible] Home. This book emphasizes the importance of [illegible] copper, brass and bronze. The American Brass Co., Waterbury, Conn.

2. Your Fireplace. Portfolio containing an interesting collection of sketches showing the various styles of fireplaces. Bennett Fireplace Division, Kerner Incinerator Co., 3707 N. Richards St., Milwaukee, Wis.

3. Modern Bathrooms. An attractively illustrated booklet shows the modern designs in Kohler bathroom equipment. Kohler Co., Kohler, Wis.

House Building, Misc.

4. The Quality Cabin. This folder shows floor plans and gives descriptive information on Adirondack Log Cabins. Each cabin is built under supervision. Adirondack Log Cabin Co., Lex. Ave. at 44th St., N. Y. C.

5. Hodgson Houses. Catalog G4 illustrates charming portable houses built to harmonize with the individual landscape. E. F. Hodgson Co., 1108 Commonwealth Ave., Boston, Mass.

6. Pope & Cottle. Sectionally constructed houses are illustrated and described. Also log cabins, cabanas, playhouses, and garden furniture. Pope & Cottle Co., Dept. D, Revere Beach Parkway, Revere, Mass.

Roofing

7. Salem Roofs. Describing the Salem shingle which is durable and fireproof. Architectural Service, Johns-Manville, Madison Ave. & 41st Street, N. Y. C.

Windows & Screens

8. Banish Noise. Illustrating the Maxim-Campbell Silencer which shuts out nerve-racking noises and provides a constant supply of filtered air. Campbell Metal Window Corp., 100 E. 42nd St., N. Y. C.

9. Rolscreens. Colored illustrations and detailed drawings show the construction of these window screens. Rolscreen Co., 742 Main St., Pella, Iowa.

GARDENING

Garden Furniture & Decoration

10. Garden Furniture. Booklet illustrating garden pieces of Pompeian Stone, marble, terra cotta and lead. Price 10c. The Erkins Studios, 253 Lexington Ave., N.Y.C.

11. Galloway Pottery. Large selection of decorative terra-cotta garden pieces, described and illustrated. Price 10c. Galloway Pottery, 3218 Walnut Street, Philadelphia, Pa.

Fences

12. Anchor Fences. Descriptions and illustrations of types of Anchor Fences that not only protect but beautify property. Anchor Post Fence Co., Baltimore, Md.

13. Ways to Enrich Home Life. Photographs show how the beauty of your garden may be protected by a Cyclone Fence [illegible]

14. Dubois Woven Wood Fence. Illustrations [illegible] scape problems. Dubois Fence & Garage Co., [illegible]

15. [illegible] Home. Illustrations show estates enclosed by various kinds of Stewart fences. Stewart Iron Works Co., 726 Stewart Block, Cincinnati, Ohio.

16. Fences of Shevlin Pine. A folder [illegible] First Nat.-Soo Line Bldg., Minneapolis, Minn.

Seeds, Bulbs & Nursery Stock

17. Amawalk Trees. This concern publishes a catalog decidedly informative to the [illegible] Amawalk Nursery, Amawalk, N. Y.

18. Trees and Plants. A wide selection of shade, flowering and fruit trees. Several broad-leaved evergreens and hardy perennials are included. George D. Aiken, Box Y, Putney, Vt.

19. Evergreens, Azaleas, Rhododendrons. Planting and cultural directions are given for the long list of broad-leaved evergreens and conifers colorfully illustrated in this catalog. (50c west of Rockies.) Bobbink & Atkins, Rutherford, N. J.

20. Breck's 1932 Catalog. An illustrated catalog containing lists of flower and vegetable seeds, plants and garden supplies. Aladdin, a new Chrysanthemum, is featured. Breck's, 85 State St., Boston, Mass.

21. Bristol Nurseries. A wide selection of perennials is offered and lovely color illustrations show new hardy Chrysanthemums. The Bristol Nurseries, Inc., Bristol, Conn.

22. Star Guide to Good Roses. A booklet listing almost 200 varieties accompanied by several color illustrations. Conard-Pyle Co., West Grove [illegible], Penna.

23. Dahlias. An attractive collection of Dahlias and detailed information on their planting and care. Dahliadel Nurseries, Box G, Vineland, N. J.

24. Dreer's Garden Book. This manual for gardeners features several new plants and a wide range of dependable flowers, vegetables, shrubs, vines and aquatics. Henry A. Dreer, Dept K., 1306 Spring Garden St., Philadelphia, Pa.

25. How to Make a Lawn. Detailed information on lawns and their making is given in this leaflet. "Henderson's Hints" is also offered. Peter Henderson & Co., 35 Cortlandt St., N. Y. C.

26. Horsford's Garden Book. Lists ferns and wildflowers and a large assortment of hardy perennials. F. H. Horsford, Box H-2, Charlotte, Vt.

27. Johnson Water Gardens. The offerings of plant material and fish are varied to meet the requirements of everyone interested in this sort of gardening. Johnson Water Gardens, Box H4, Hynes, Calif.

28. Rhododendrons and Azaleas. A descriptive brochure lists attractive Rhododendrons and Azaleas accompanied by a price list. Koster & Co., Bridgeton, N. J.

29. A Little Book about Roses. Beautiful color illustrations are included in a long descriptive list of Roses. George H. Peterson, Inc., 30 Paramus Road, Fair Lawn, N. J.

30. Rose Valley Nurseries. The new 1932 catalog of this concern lists Roses and new perennials. Rose Valley Nurseries. R. D. 4, Lyons, N. Y.

31. A Book for Garden Lovers. The 1932 edition contains attractive novelties shown in effective color illustrations. Price 35c, deducted from first order for $3.00. Max Schling Seedsmen, Inc., Madison Ave. at 59th Street, New York City.

32. Seed Annual, 1932. Included in this catalog are lists of vegetables, flowers, climbing plants and shrubs. Stumpp & Walter Co., 132 Church St., N. Y. C.

33. Totty's Roses and Perennials. A catalog containing attractive color illustrations accompanied by descriptions and prices. Totty's, F-4, Madison, N. J.

34. Water Lilies. Descriptions and colored illustrations of Lilies, aquatic plants and fancy fish for your water garden. William Tricker, Inc., 2407 Brookside Avenue, Saddle River, N. J.

35. Hardy Plants, Rock Plants, Lilies, Bulbs. The Spring catalog of this concern shows several illustrations of fine rock and hardy plants. A new Chrysanthemum, Aladdin, is described. The Wayside Gardens Co., 30 Mentor Ave., Mentor, O.

Lawn Mowers & Water Sprays

36. Coldwell Dependable Lawn Mowers. Mowers operated by hand, horse, gasoline and electricity. Several types illustrated. Coldwell Lawn Mower Co., Newburgh, New York.

37. Lawns Beautiful. Several types of the Jacobsen Power Lawn Mower are illustrated and described, accompanied by sectional views. Jacobsen Mfg. Co., 743 Washington Ave., Racine, Wis.

38. Next Best to Rain. Describes the double rotary sprinkler which throws a steady shower over a circular area up to 80 feet. Several testimonials are given. Double Rotary Sprinkler Co., 200 Coca Cola Bldg., Kansas City, Mo.

39. Myers Spray Pumps. A catalog on hand and power spray pumps in styles and sizes to take care of every spraying problem. The F. E. Myers & Bro. Co., 106 Orange St., Ashland, O.

40. Lawns. Explains how the Milbradt Power Mower can cut a lawn no matter how hilly, with a minimum of effort. Milbradt Mfg. Co., 2403 Tenth Street, St. Louis, Mo.

41. Moto-Mower. A twenty-four page catalog gives complete details about this power lawn mower. The Moto-Mower Co., 4606 Woodward Ave., Detroit, Mich.

HOUSE FURNISHINGS

Floor Coverings

42. Facts You Should Know. Information on the care and cleaning of carpets. Illustrates the advantages of using Ozite rug cushions. Clinton Carpet Co., Merchandise Mart, Chicago, Ill.

43. Claridge Carpets. A portfolio of illustrations showing the colors and use of Claridge Carpets in decoration. Ten c[illegible] Clark Dudley, W. & J. Sloane, Fifth Ave., New York City.

Furniture

44. Charlotte Furniture. Illustrations of reproductions of Early American pi[illegible] also English, French, Italian Provincial and Biedermeier. Price 10c. Chari[illegible] Furniture Co., Charlotte, Mich.

Glassware

45. The Glass of Fashion. Beautiful illustrations in color show table settings for all meals, using Fostoria glassware throughout. Fostoria Glass Co., Dept. H-4, Moundsville, West Va.

Kitchen Equipment

46. A New Sink. Housewives will be very much interested in this booklet describing the advantages and beauty of Monel Metal sinks. The International Nickel Co., Inc., 73 Wall Street, New York City.

Silver

47. The Modern Way to Choose Your Silver. A portfolio of photographs of the various patterns in Treasure Solid Silver designed to harmonize with the decorative scheme of the home. Rogers, Lunt & Bowlen Co., B-8, Greenfield, Mass.

Wall Coverings

48. The Modern Trend in Wall Coverings. Descriptive leaflets accompanied by samples of Wall-Tex showing patterns and colors. Columbus Coated Fabrics Co., R4, Columbus, O.

49. Whitewell Wallpapers. A book of wallpaper designs is offered by this concern for a charge of six cents. John H. Whitwell, Inc., 1621 Spruce St., Philadelphia, Pa.

Cameras

50. The Lure of Home Movies. Some very interesting information for those who enjoy moving pictures at home. Eastman Kodak Co., Rochester, N. Y.

TRAVEL

51. Southern California through the Camera. Beautiful photographs depict typical scenes of Southern California. Ten cents. All Year Club of Southern Calif., Ltd., G4, 1151 S. Broadway, Los Angeles, Calif.

52. Intourist. General booklet M[illegible] describes the tours and the places of unusual interest to see in Soviet Russia. Intourist, Inc., 261 Fifth Ave., N. [illegible] C.

53. France. Brochure illustrating the important and picturesque French cities to be visited through the medium of the railways of France. Railways of France, East 57th St., N. Y. C.

54. Shakespeare's Country. An [illegible] trated booklet describing a tour through "Shakespeare's Country". C. Ra[illegible] Smith, Great Western and South[illegible] Rys., 500 Fifth Ave., N. Y. C.

55. Programme of Circular Tours. Outlining a series of tours in the British Isles. LMS Corp., Dept. A-45, 200 Fifth [illegible] N. Y. C.

56. Looking at Britain. How to see beautiful spots in England. London & North Eastern Rys., 11 W. 42nd St., N. Y. C.

57. Glacier National Park. Descriptive information about various tours to Glacier Park. Great Northern Vacations, Dept. U-4, St. Paul, Minn.

58. To the North Cape. Illustrating and describing a circular tour through Scandinavian Peninsula. Swedish State Rys., 551 Fifth Ave., N. Y. C.

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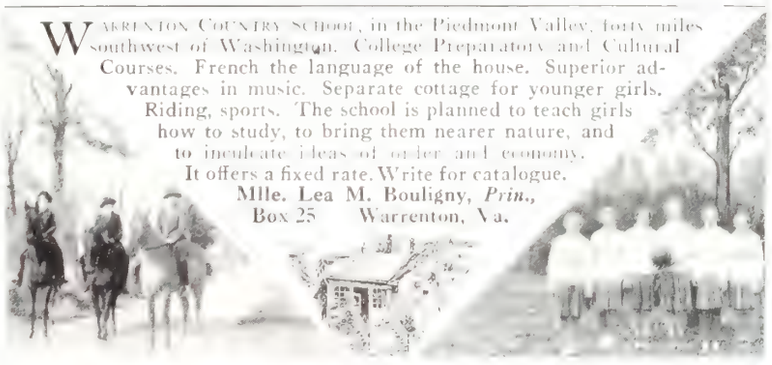
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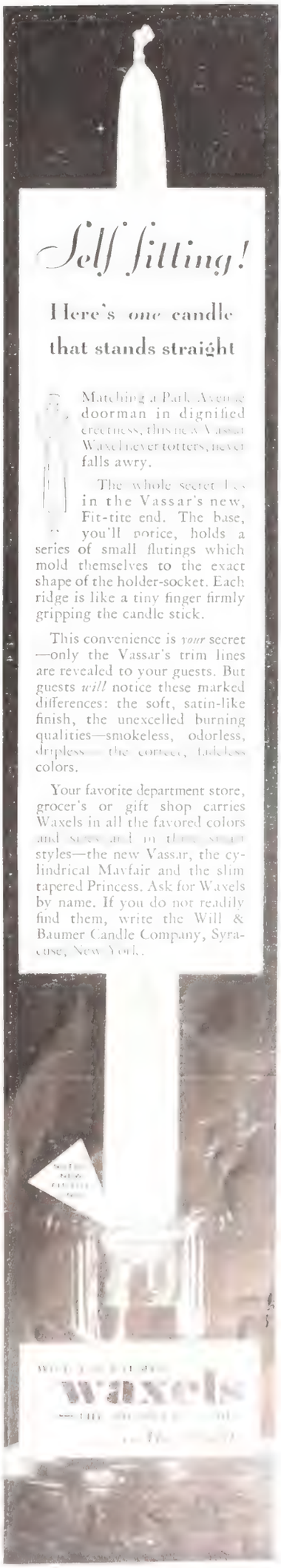
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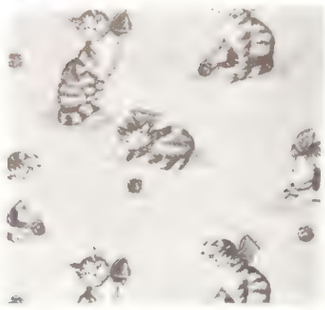
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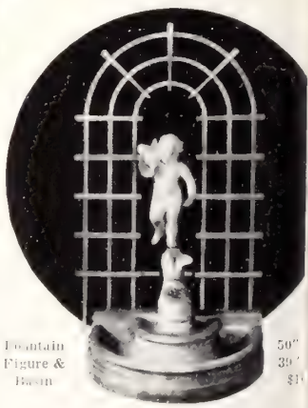




■ George Washington, on the interesting tie-back in the illustration at the right, will hold back the curtains on the living room window as [illegible] decorate. If you prefer, the American [illegible] wall fixtures, $2.50 a pair. The third, [illegible] form of a miniature on china, mount[illegible]

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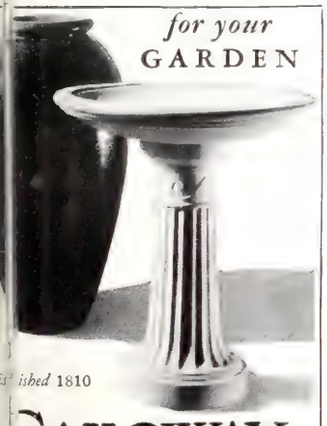
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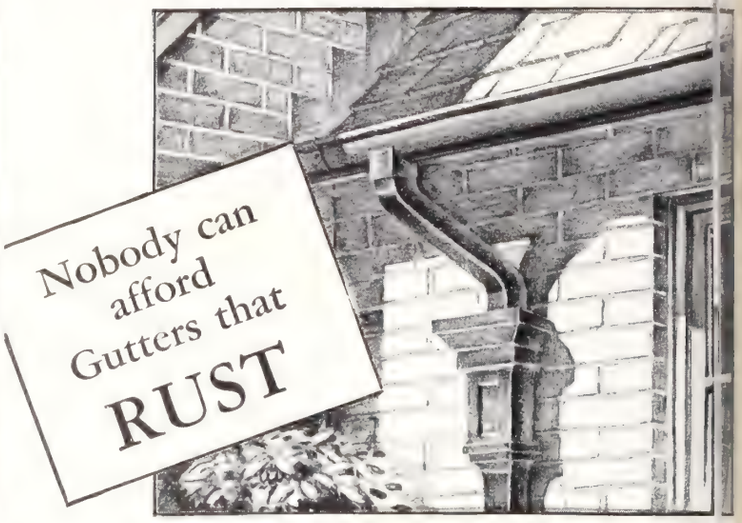
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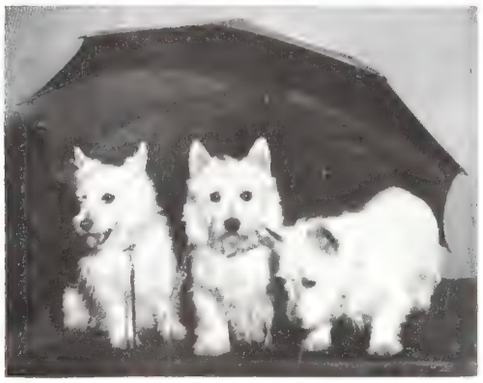


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A West Highland White Terrier portrait of the Brown Cocker Spaniel [illegible] however, while the young lady on the right searches for a box of cough drops she left somewhere around but can't seem to lay her hands on at the moment. Courtesy of Spring-Meade Kennels

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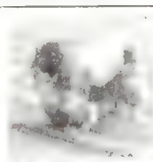


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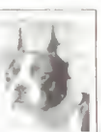
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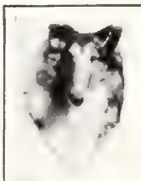
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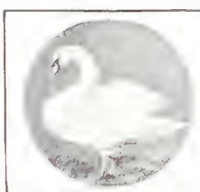


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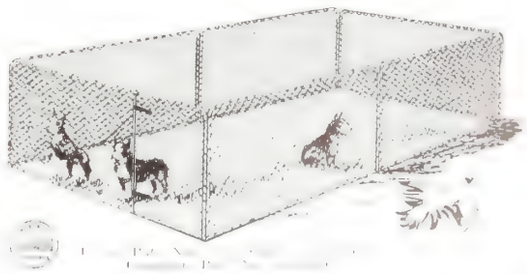
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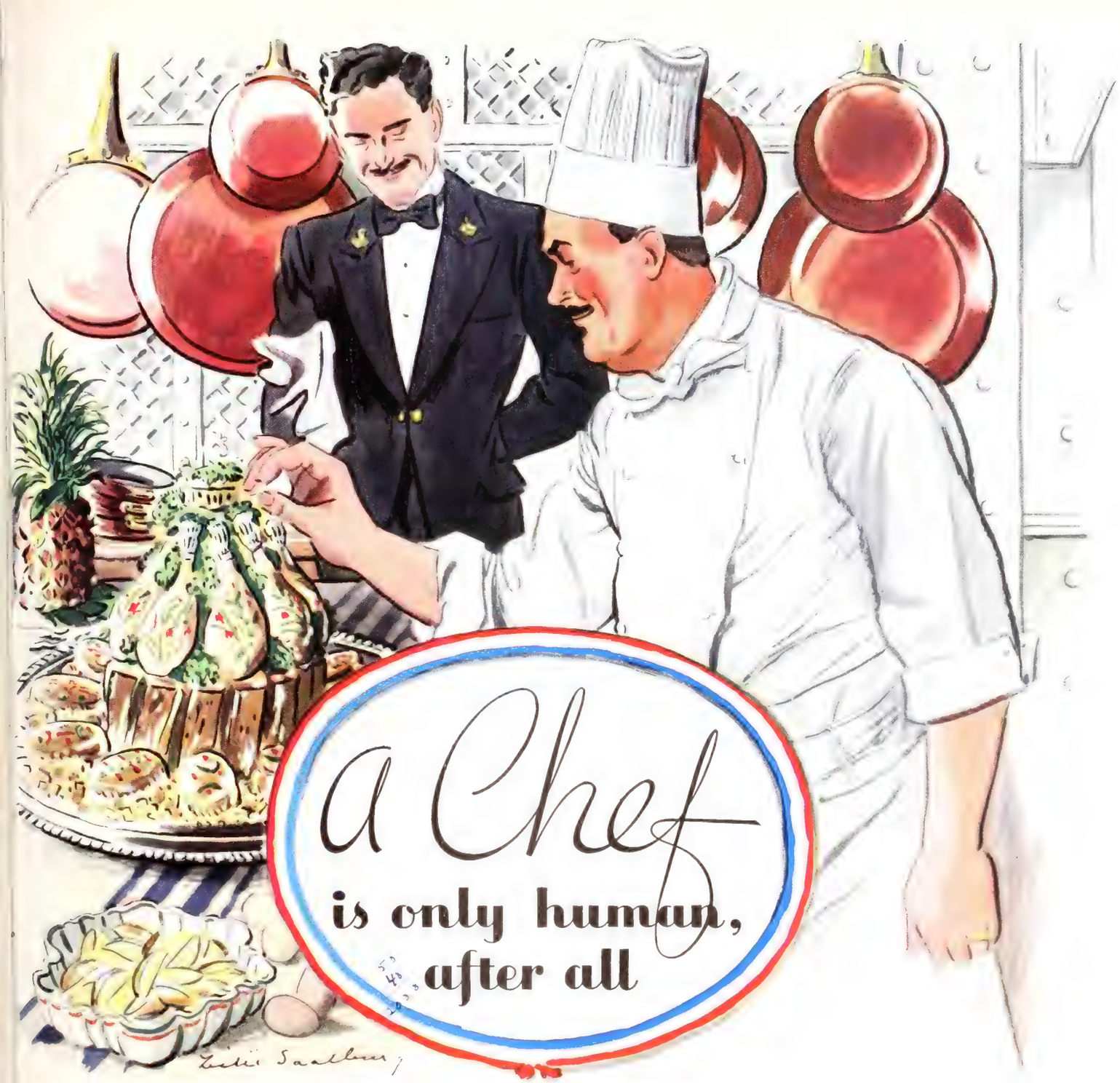
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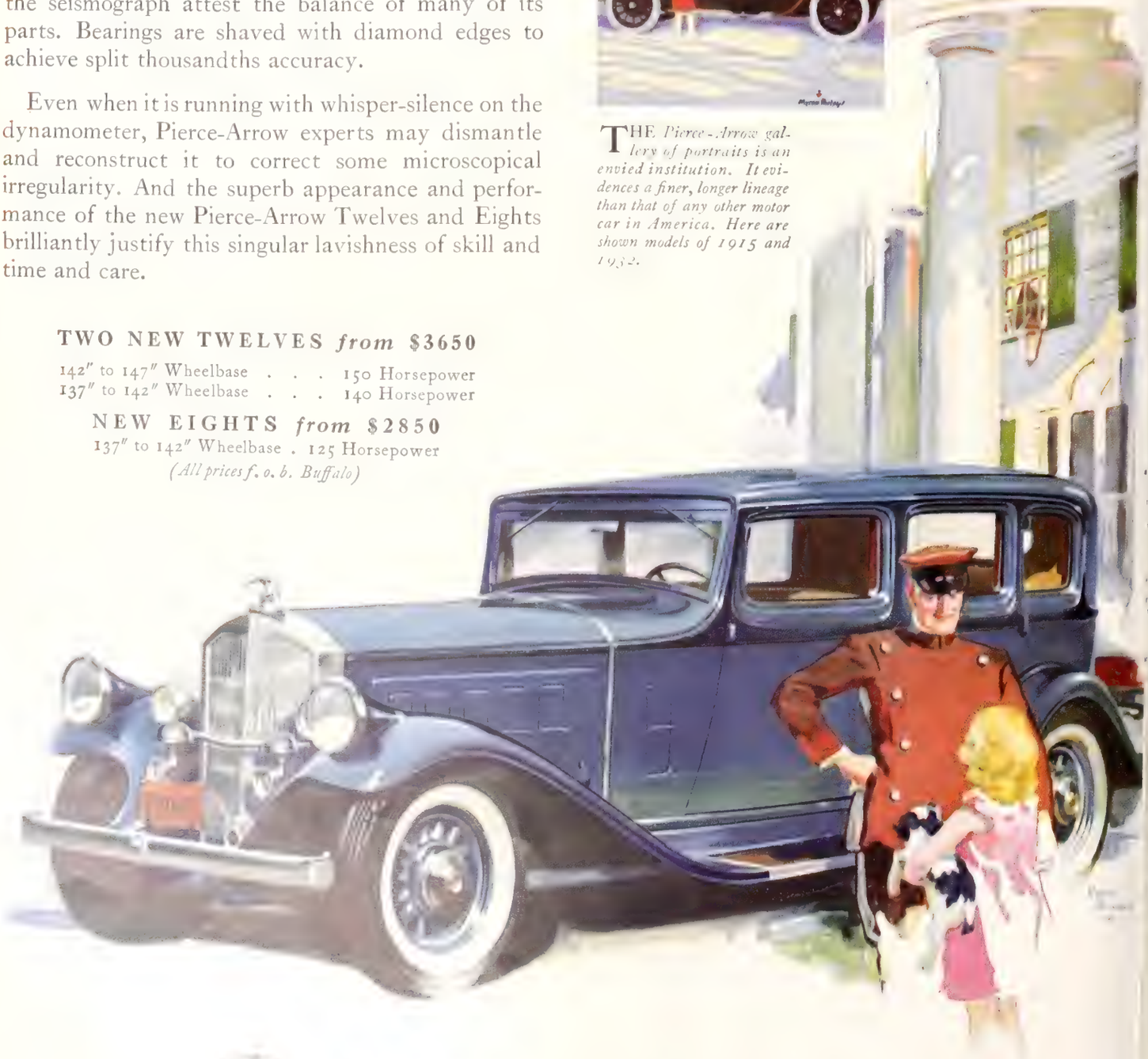
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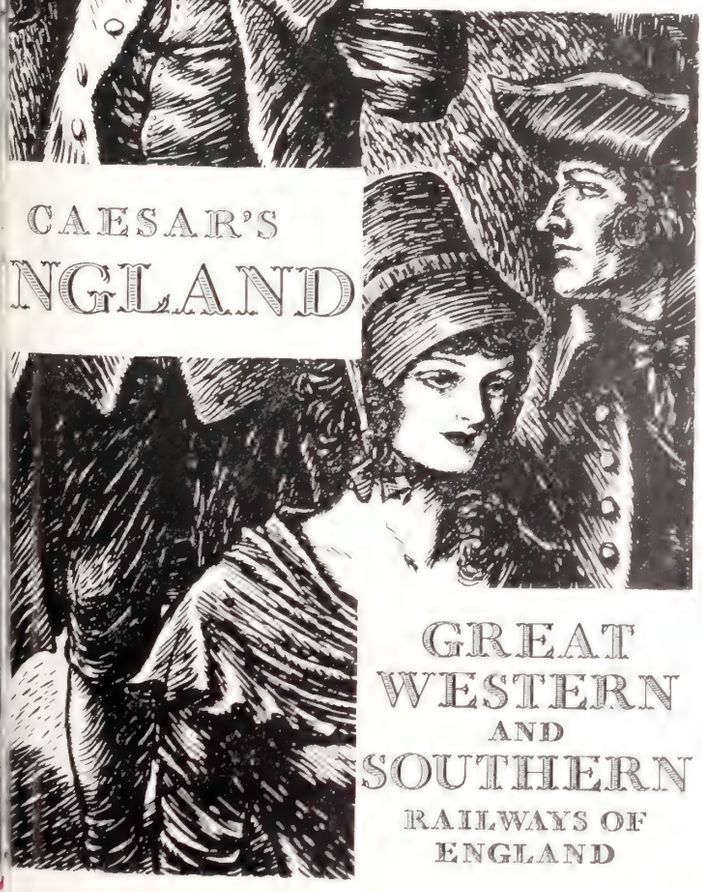


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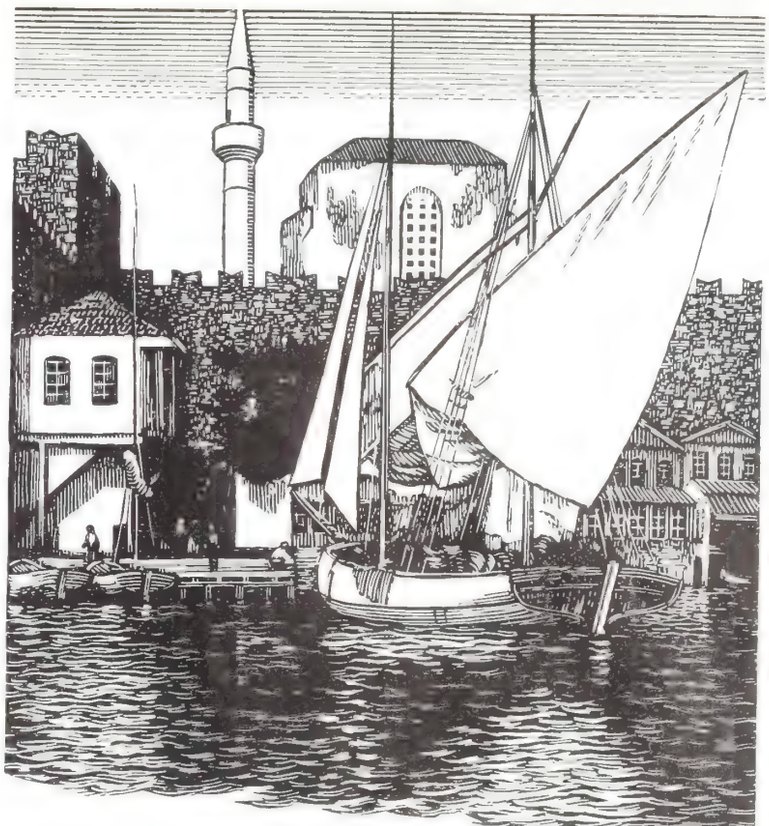


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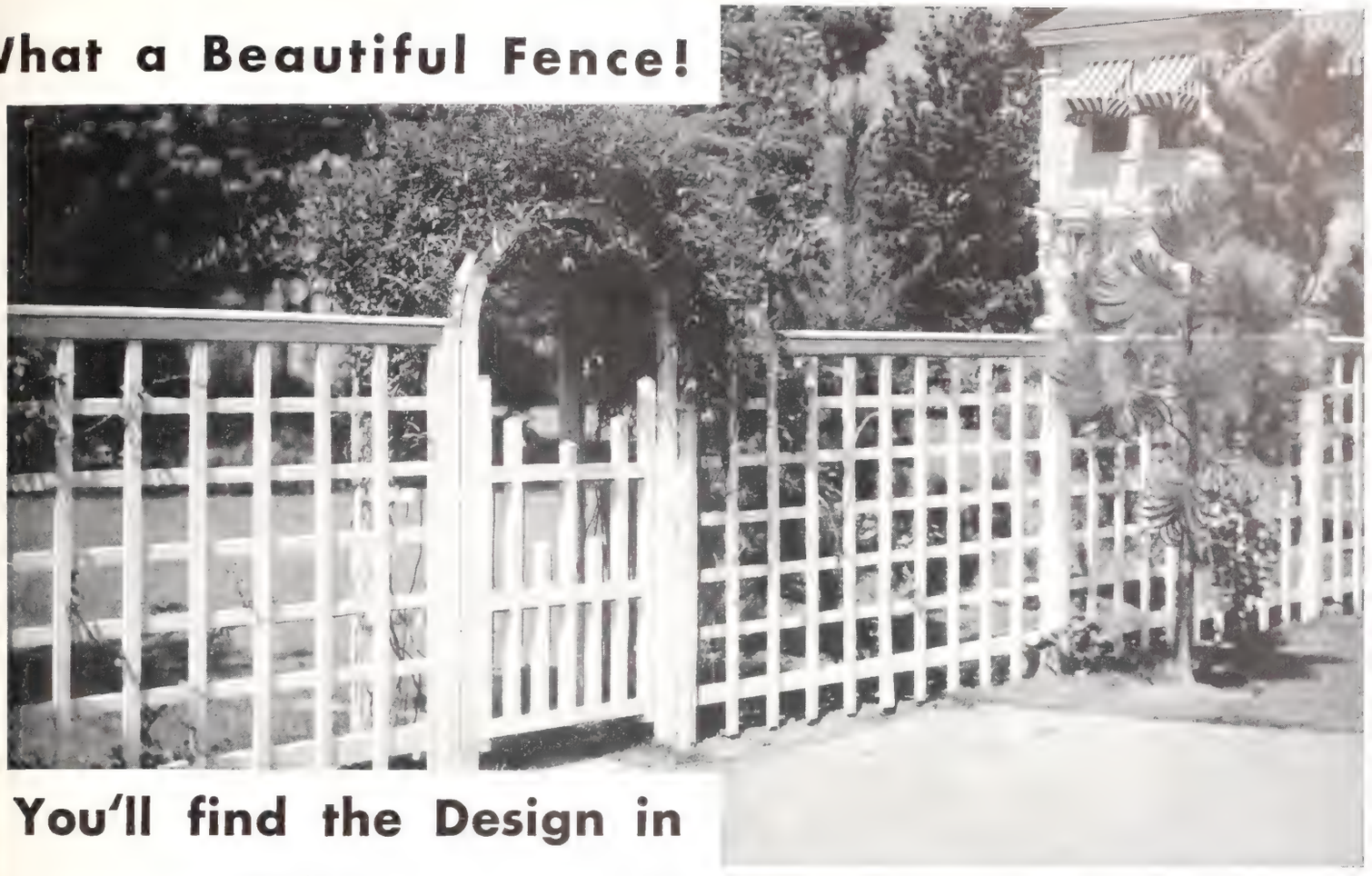
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SEE PAGE 88

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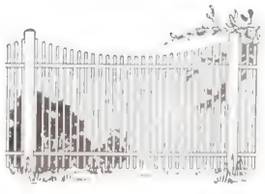
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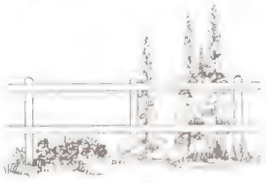
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POOR GEORGE! We wonder how the revered father of his country is going to come through the pitiless publicity and ballyhoo that is being forced upon his memory. Started as a decent mark of respect to a very great American, this Bicentennial has now become a Roman holiday for manufacturers of all manner of junk. We flick cigarette ashes on George Washington praying in the snow at Valley Forge. Our children rebelliously lap up their spinach only to find George Washington clasping the hand of Lafayette on the bottom of the porringer. Advertisements and charity appeals, with which one's mail is cluttered, are tossed unceremoniously into waste baskets picturing the Great Washington magnificently posed above the ice-chocked Delaware at Trenton.

The orgy of red, white and blue seems never to end. Otherwise sane housewives are putting their husbands to sleep under bed coverlets made of the national colors. And if anyone really wants to prove himself 100% American he can now dry his robust flanks on red, white and blue bath towels!

GASTRONOMIC NOTE. Angelica, which usually fulfills its life purpose by being sliced and stuck onto the icing of cakes, once was quite a favorite item in the kitchen larder. It is said that slivers of Angelica put into apple jelly add a nuance to its flavor and piquant interest to the eating of it.

ANTIQUE FINISH. One of the many mercies to be thankful for at this point in time is the fact that enterprising manufacturers of furniture have finally learned how to give their pieces an antique finish that is no longer an insult to the intelligence. Hitherto what went under the name of "antique" wouldn't have fooled a babe in her cradle. Today in addition to improving the quing has changed its name. It is now called Old World Finish." Perhaps this new style may .en become the envy of the Old World manucturers of antiques.

BEYOND THE NORTH WIND. Ancient travelers China spoke of it as being "beyond the north ind." Since that day many a wind has blown it of China to affect taste in Europe. From it ne silk and the Pe[illegible] and the Rococo ste that, in its time, turned the Continent up-le down.

RUGS. Straining the ear to catch the latest nd in this and that, we have lately been hear-g whispers about rugs. It seems they have [illegible] les of rooms. Not copies of the old, her adaptations of the typical period motifs, ch as Adam, Queen Anne and the vagaries of French eras. There is also quite apparent a [illegible] interest in [illegible]

HOUSES & GARDENS EN ROUTE. The article on houses to see in France, published in this issue, continues the travel series we began last year. Gardens to see abroad appeared in May and June. Old English houses in July and August. From time to time we shall continue these, for those who love their house and garden love houses and gardens everywhere.

JOHN WOOLMAN. To many, John Woolman was merely an itinerant Quaker preacher who wrote a *Journal*. It is pleasant to record that he was also a gardener and that his garden at Mount Holly, N. J., made before the Revolution, was an early haven of peace. In its quiet, and laboring with his plants, John Woolman found strength and inspiration for his sermons and for the battles he fought against slavery.

SANCTUARY. How many people in these confusing times are turning to the garden as a sanctuary, a safe retreat from the bothers of the world! We could well carve over the garden gate those lines from Pope's *Ode to Solitude*—

> Happy the man, whose wish and care
> A few parental acres bound,
> Content to breathe his native air
> In his own ground. . . .

SIAMESE [illegible] page we uttered a paneg[illegible] This seemed to stir the hearts of those who hold the Siamese to be above all other feline tribes. Listen now to the tale of Anne Catherine de Ligneville. Born in 1719, at the age of thirty-two she married the philosopher, Claude Adrien Helvetius. As a consequence—or perhaps in spite of this matrimonial venture—he wrote a poem on Happiness in six books. He was also author of *De l'Esprit*, in which he claimed that man was merely an animal, whereupon the pious made a bonfire of the horrible tome. He died in 1771, and, quite inconsolable, Anne retired to Auteuil and lived with twenty-one Siamese cats. A great wit and a magnificent beauty, it is said that, despite these cats, Benjamin Franklin wanted to marry her.

[illegible] was chosen to be the person "whom the king delighteth to honor," he was hauled around the streets of the city and proclaimed to the frantic populace, but no greater tribute could one have than a pair of earrings worn by a darky servant the other night. Becky has reached the ripe age of 89, and most of those years have been passed in devoted service to the same family. During the course of this service she has learned to differentiate between "just friends" and the gentry. When gentry comes, she wears earrings. And it was in earrings she opened the door the other night. We felt very much like Mordecai.

PHILADELPHIA GARDENS. It [illegible] followed that Philadelphia, being early a center of culture, should also be early a center of beautiful gardens. So extensive was the interest and so widespread their influence that John [illegible] has devoted an entire book to them—*Old Gardens In and About Philadelphia*.

The style was set by William Penn, who desired that Philadelphia be a "green countrie towne." The heritage was carried on by John Bartram and John Evans in their botanic gardens and by many a landed gentleman. They built magnificently and they gardened with a lavish hand. Their contributions to beauty and science leave us everlastingly in their debt. These accomplishments Mr. Faris has set forth in charming descriptions and of those gardens that still remain he has given us ample and inspiring pictures.

In Philadelphia it is necessary to have had a grandfather. Most of the gardens along the Atlantic seaboard can trace back some of their heritage to these Colonial gardens Mr. Faris describes.

BIG GAME WIVES. Once we used to sympathize with the wife of a Dahlia specialist. Loyal to her husband, she would wear the flowers he grew, and so large were they that you rarely saw much of the wife. Our sympathy now turns to the wives of big game hunters who are decked out in coats made from the skins of wild beasts their husbands have shot. There's loyalty for you! The Dahlia big as a plate will fade, but imagine the fortitude of the wives who have to wear, winter after winter, the pelts of blue baboons, and swathe their swan-like necks in the pelage of mountain goats!

GERMAN BAROQUE. Only yesterday, it seems, House & Garden was explaining why a revival of Victorian taste would come about. It came, and now Victorian furniture is seen everywhere. We wonder how the public will receive German Baroque. It is a third cousin of Victorian styles, and already a New York decorator has used it in two apartments. This, we believe, is the first time the style has been introduced [illegible] and House & Garden [illegible] pleasure in giving it the first presentation.

A [illegible] we are reminded of the fact that a distinct trend away from the giant blossoms of recent years toward the dainty little Pompons and Coltness singles is now clearly apparent. Having built this once simple Mexican wildflower into a [illegible] toward the opposite extreme.

In [illegible] popular. Hybridizers and plant wizards generally are forever building up and toning down in their search for wider appeal in their products. Witness the double fragrant Nasturtium, the return toward Primulinus Gladioli, the modern Del[illegible]

QUA[illegible] grace, it appears, will have at least its full share of [illegible] tles, all manner of national and international problems and finally, as this is being written an investigation of some of the most important [illegible] tioned restraints, yet that is the direction in



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Mother's Day, May 8th

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Contents for May, 1932

HOUSE & GARDEN

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Mrs. James W[illegible] Thorne of Chicago and S[illegible] Brown, creator of the attractive [illegible] on page 62. Another of Mrs. Thorne's hobbies is the making of miniature furniture. The Chicago Art Museum is at the present time holding an exhibition of her work in this field



Long known to readers of *House & Garden* through his distinctive covers, during the past year Pierre Brissaud has brought his talent inside the magazine. In addition to work in the decorative [illegible] M. Brissaud has notably illustrated Balzac, Flaubert and [illegible]



[illegible] Dean (Mrs. Aymar Embury II), landscape architect, and follows [illegible]

WHO IS WHO IN HOUSE & GARDEN





ALTHOUGH the furniture in Mrs. Ward Cheney's New York living room, two sketches of which are given, is mainly Victorian, the spirit of the room is distinctly German Baroque. Colors, window arrangements, furniture groupings, and choice of ornament add to this effect. Taylor & Low, Inc.

NOW COMES THE GERMAN BAROQUE

By Louise Tiffany Taylor

AMERICA, in her mad rush for something to copy—her search for a type of house that has not only atmosphere and beauty but whose style and characteristics suit our life of today—has passed over a most interesting period of architectural development—the German Baroque. But a pleasant appraising trip through Germany, a little digging into a cultural development which offers much to those who seek, reveals the fact that Germany had an architecture in the 18th Century more vigorous, more human than the exquisite, refined taste of France, and in many ways more closely allied to England.

Frederick the Great set the style for his time. Wanting for his own small duchy some of that culture so well developed in France and so lacking in Germany, he copied wholesale. French was the Court language. Voltaire was worshipped and finally imported, to be later scorned and bought with. The paintings of Watteau at Sans Souci are more beautiful than any at the Louvre today. It was the Court of Louis XV transplanted, with a difference, and this is the interesting point. Baroque as it spread from then on through all the States of Germany assumed a totally different character from that of France. The Bavarian form, copied directly from Italian Baroque, was bolder and more florid, and inevitably overdone. Ornament was imposed upon ornament and, when carved and molded forms gave out, painted decoration was used instead. Hesse-Nassau was more careful, more correct, more exquisite. She copied France more closely. Schleswig-Holstein and the Baltic States showed a development perhaps the most interesting of all. There we find simplicity and a restraint used in combination with elaborate detail that makes a very pleasing whole. Schleswig-Holstein farmers were rich—very rich—and their culture from the 16th and 17th Centuries had always come by way of Holland. Dutch painters were entertained and commissioned to do work in all the little courts. Dutch silver and Flemish tapestries were imported. Hence, the North German architecture of this period resembles very much that of Holland, a little freer, a little more naïve, and a great deal more charming.

The Landgraf, or country squire, built his house of brick in the form of a rectangle or square. The fourth side was completed by a wall or hedge through which one reached the front door, the most dominant feature in the long façade. It was raised above the ground level, and approached from either side by a double flight of steps flanked by a decorative stone balustrade. The double doors themselves were molded in high relief and crowned by an exquisite stone overdoor—this forming the main decoration. [illegible] dows were simple and long to the ground.

City houses, usually of brick or concrete, had the same elaborate doorway and a façade crowned at the top by some peaked or scrolled cornice [illegible] marvels of their diversity and [illegible]. The ground floor was occupied by [illegible] entrance hall with a very high beamed ceiling and a large window in the rear overlooking the garden. There was little furniture—usually just an enormous and beautifully inlaid Dutch armoire. The main decoration was the curving stairway with its double carved balustrade. Halfway up was a little *entresol*—just a tiny room with bowed casement windows which looked down on the entrance below.

The other rooms [illegible] higher ceilings and were charmingly dec-



BEDROOM AFTER THE BAROQUE

orated. A series of little rooms in the Uphagen House in Danzig have painted doors and dadoes, one room with birds, one with flowers, and another with butterflies. In a house at Kiel there is a little lacquer red room with landscape canvases in the panels and white furniture. The drawing rooms were often done with old yellow brocade above the chair-rail, while the white trim, doors and cornices were picked out in gold. A room in Hamburg is apple green and white—the scrolls of the white trim trailing off over green wall.

In Kassel there is a pink ballroom with trim and panels done in white and a pair of niches at one end filled with brown porcelain stoves. Everywhere, if the walls are in color, the lovely carved trim and double doors are usually in white. There stoves were placed either in a niche in the corner of the room, or in the center of

different colored woods, and everywhere one will find exquisite crystal chandeliers and wall sconces.

The most interesting pieces of furniture of that time were the graceful high china cabinets with their scrolled pediments. Some were of veneered walnut with bowed fronts and many planes—a symphony of motion in design. Even the muntins of the glass doors were not straight, but curved to follow the general lines. Many of the cabinets were towering affairs painted white, with carved swags and festoons never afraid of being too big in scale, and forming a decoration which did not seem applied but a structural part of the piece. No motif or line was stopped without reason, but carried on to form a perfect whole. Much of the other furniture was also painted white. In design it was what we might call "near Louis XV"—heavy, and a bit awkward. One set of twenty-four dining room chairs at Eutin I especially remember, as they were so fantastic in design, painted white and tufted in crimson leather. In the Baltic States English furniture was very popular and beautifully copied—Queen Anne, Hepplewhite, and Chippendale chairs and chests are among the types frequently seen. Beds were usually of the four-post variety, set in niches, and elaborately draped, but there are not many of these left. Among the occasional furniture of this era are little tea tables of walnut or fruitwood with the entire top made of some beautiful porcelain tray. One admires their graceful silhouettes and curved, tapering legs and then promptly goes into ecstasy over the exquisite flowers and fruits which have been painted on the china.

China frequently formed a part of the wall decoration, as in the dining room at Eutin. There the walls were painted dead white and a beautiful set of Lowestoft was grouped on brackets on the walls. The brackets were simple wood affairs painted white and not noticeable. Platters, compotes, vases and plates were used to form the composition, and each group was made a unit with plaster swags in low relief above. The pale (*Continued on page 74*)



GERMAN BAROQUE AND RELATED STYLES





)RESSING TABLE SCHEME

WALL in Mrs. Taylor's bed-
room is an off-white. Curtains
and coverlet are printed with
tapestries. Brown carpet. Mir-
shell and scroll motifs in white,
pink and gray by Marion Taylor.
Curtains are of white organdy

A
room in Mrs. Taylor's own apart-
ment are founded on German Ba-

Ladies with pencils



Now that women have ceased being hungry-handed, now that they all sew and knit and crochet and make petit-point and pull rugs, we wonder what next they will find for their hands to do. They most surely will find something else, for it is an axiom that once women start using their hands, nothing short of a cataclysm stops them.

In search of the elusive answer to this question, our curiosity, having ranged across several eras and many movements, came to rest at the close of the 18th Century. The collecting of landscape etchings first attracted the fashionable in the 17th Century; by the close of the 18th, it had reached a peak of general popularity. Everyone of taste collected prints —Evelyn, Pepys, Prince Rupert, Prince Eugene and even the average householder. In the last three-quarters of the 18th Century was evolved the British school of landscape engraving, with its chalk-like drawings. A long line of major and minor engravers flooded the portfolios of town and city houses. Print collecting became such a passion that no person claiming to have taste dare fail to follow suit.

The next step was the enjoyment of these prints as a popular domestic amusement. In 1736 Mrs. Delany—who later sprang to fame with her "flower mosaics" made with bits of colored paper—writes of the day in a country house: "In the afternoon there are billiards, looking over prints, coffee, tea, cribbage." One lady of the time in apologizing to another for not having answered her letters, excuses her neglect thus: "Somebody has sent us a fine set of prints that must be looked over directly."

Emulation followed enjoyment. It came quite naturally that those ladies and gentlemen who had enthused over landscape prints by professional artists should try their hand at etching landscapes themselves. Many of their efforts were used for the decoration of the home—for adorning chimney boards and corner cupboards. Many were turned into transparencies with coats of varnish. The more venturesome began coloring them to simulate oil paintings. When the materials used in this simulation were sold, the dealer—canny salesman that he was—swore each lady to secrecy.

The subsequent endeavor was to take up art seriously. The print was considered indispensable to those who would paint. The same Mrs. Delany admonishes: "I hope you draw sometimes. I fancy if you copied some landscapes, and did them in India ink, you would like it better than faces. I am sure, with very little application, you would do very well; but copy only from the best prints."

Stirred by such incentives, amateur artists began to multiply apace and every inducement was offered to stimulate this domestic avocation. The presses spilled out countless books on the subject, with such engaging titles as *The Complete Drawing Master, Perspective* and *The Ladies New and Polite Memorandum Book.*

Drawing masters, finding a market for their talents, offered to instruct these ladies and many an artist, who was not so successful in landing commissions, condescended to teach the weaker sex the elements of drawing from Nature.

From then on, the English countryside began to be cluttered with ladies who endeavored to set down on drawing paper or canvas the prospects that lay before them. The walls of many a country house today bear mute and poignant witness to these artistic endeavors. Not only did landscapes inspire these female hands, but it soon became their fashionable sport to paint flowers. Mrs. Delany, as we have seen, made exact botanical pictures of flowers with bits of colored paper. Others chose the mediums of water color and oil. In girls' schools the head-mistress, proud of her botanical paintings, would make the ideal drawings, to which the young ladies were bade to aspire. This scientific phase of the busy hands gave us those choice portfolios of flower pictures that are the delight of all searchers in print shops. They have reached their ultimate decadence, of course, by being made into transparent lampshades by decorators.

As we look back now on that era of fashionable drawings and those ladies with pencils, we are apt to smile indulgently. It was a pleasant age, a genteel age, an age of innocence. It was an era of romanticism that took delight in false ruins set up in gardens and raved over haycocks and all the other commonplaces of the bucolic life. Its voluminous skirts swirled around the fringes of art. It thrilled to touch—ever so lightly—that artistic world which was just beginning to titivate to the first faint pulsations of Bohemianism.

All of which sounds silly in our own era of emancipated women, of women who are pushing their careers to brilliant accomplishment. It appears absurd that we should even entertain the thought that women would ever retrograde to such amateur nonsense. That, of course, would be the criticism made by women with careers. But what of the women who have none? What of the hundreds of thousands of women everywhere—genteel, charming and incorrigibly domestic women—who have no desire for careers and are rather bored at emancipation now that it is offered them?

It is these women who throng the embroidery counters of our shops. It is these women who are knitting and crocheting and making petit-point and pulling rugs. Not dullards, these women—they represent the general high average of womanhood in America. And we ask: What will they do next? We do not know. We do not dare to prophesy, nor even to suggest. We merely glance back at those ladies with pencils—and wonder.

—Richardson Wright



S. H. Gottscho

Beside a home-made lake



S. H. Gottscho

Of Colonial type well suited to a New England site

THE Colonial farmhouse style of this residence is ideally suited to its Connecticut setting. Like many of its predecessors, it uses native stone and hand-split shingles for walls. Views of the front are given on this page; the rear is shown opposite and on the preceding page

ALTHOUGH in appearance part of the body of the house, the garage, shown in the foreground below, is separated by a roofed-over passage open at both ends, through which a car can drive. Maids' rooms above the garage are reached by a stairway that begins in the kitchen





Julius Gregory

architect

THE rear of the house prospect is faced with a flagstone paved porch reached by the central hall. The drive shown in the photograph above passes between the garage and house and on out to the main thoroughfare. The residence of Mr. Henry Parker at Darien, Conn. The Latimers, landscape architects

A central hallway divides the first floor into two sections. The living room is to the right; kitchen and dining room divide the space at the left. The dining room is to the rear where it overlooks the gardens. Three bedrooms, each with private bath, two maids' rooms and a bath are on the second floor







No longer do we confine ourselves to subdued colors in terrace and garden furniture—new designs feature such vivid hues as flag blue, lacquer red, strong greens and yellows. In panel at left: top, natural rattan chair, blue seat cushion corded in yellow, back cushion of yellow, blue binding, Lord & Taylor; center, two-piece Bielecky reed chaise-longue with sausage-shaped cushions in flowered chintz, Baphé; bottom, Heywood Wakefield green enameled reed chair, green rep covering, folding arms, Macy's

The colwell rattan settee and chair above are most effective on a red, white and blue sun porch. Stained flag blue with cushions in red, tacked on with brass buttons, Olivette Falls. The white iron table with scenic tile top, Mayhew Shop. Black and orange enamel trim the round table of rattan which has a removable glass top, Chintz Shop. The rattan armchair in the lower corner is a Heywood Wakefield design finished blue-green and cushioned in green and yellow fabrikoid, Macy



Vivid color comes to the out-of-doors with this garden furniture



HE GRACEFUL Chippendale pieces above, of Colell design, are painted white; the settee and armair cushioned in green suède, edged in white. A a table with gold mirror top completes the group. estport Antique Shop. (Right) Red and blue cane aise-longue, white iron frame, white pillow riped in red and blue. Perambulating wicker bar white with red top and shelves. Arden Studios. ed metal cocktail shaker and glasses, Janet urter. Striped glasses, Alice Marks. Red hoodchair, of reed, has yellow cushions bound in d. Chintz Shop. Ficks Reed table of black rat- with leather top. Tan linen rug, Altman

A lodge on the Little Choptank



WALTER P. CHRYSLER

By George H. Allen

PARENTHETICALLY speaking, Walter P. Chrysler loves nothing better (under the category of relaxation) than to crouch down in a sheltered duck blind on the Little Choptank River and bang away at a flock of elusive canvas-backs winging their way overhead. His pleasure in bagging a fine specimen is multiplied by the brisk late November air; the melancholy of a windblown winter sunset; and the thoughts of a peaceful evening beside the huge fireplace in the living room of Pokety Lodge—with his cronies gathered 'round the burning logs, bantering each other with mild gossip and idle talk.

We were sitting under a canopy of a myriad of stars on the terrace fronting the lodge, facing a calm expanse of moonlit water, one evening during mid-summer. The peace and quiet furthered a natural desire to remain here always, or nearly so, and our memories were still lingering over the very appetizing dinner which we had just left. Mine, particularly, over a delicious dessert not unlike the *cœur flottant* which the Brevoort sometimes serves up with an appropriate air of distingué and flourish. We were discussing this section of the country, the eastern shore of Maryland, its history, its traditions. For one, it has been known that this region has been long famed for those two great delicacies—canvas-back duck and diamond-back terrapin. Then, Lecompte Bay and Lecompte Creek, tributaries leading off the Choptank River, and which could be seen from where we sat, were named after one Lecompte. He was an old, adventurous explorer, I was told, who in traveling the shores of the Chesapeake became sidetracked into this delightful little by-way.

We also talked of the legend of "Pokety" and of its derivation, a name which had been conjured with this property since the first family tilled the soil. It's an old Indian name meaning a "high place", or more accurately, "a place high and dry"; such as Pokety was. The land in that section is all practically low and marshy and while "high and dry" would, to us, mean *quite* high it was only so in relation to the lowlands which adjoined the property. We were watching the blue smoke curl thinly upward from the after-dinner cigarettes, when someone volunteered the information that this property was included in the original land grant of Lord Baltimore and I admit that this news gave quite a fillip to the occasion. You could imagine Cavaliers in shining armor lurking in the shadows of the Box-hedges and in the distance, perhaps a two-masted brig lying at anchor on the phosphorescent expanse of shimmering water. What could be more appropriate for a hunting lodge than a setting such as this? And what could be more *apropos* for the lodge itself than a low, rambling Colonial structure with numerous wings jutting off at interesting angles, allowing (in a practical sense) different sections to be skilfully segregated from each other and (in a picturesque sense) imparting through its low snugness a feeling that the structure has here taken root, becoming so assimilated to its surroundings that it appears to have virtually grown out of the soil, so to speak?

During the (*Continued on page* 88)







MR. CHRYSLER'S Maryland lodge was designed as a place of simplicity and comfort, where relaxation is easily found. The living room is shown above. To right, above, is an upper view of this room

THE exterior is of brick and shingles combined. To give a snug aspect the structure has been kept low and the plantings were carried out with this end in view. Reinhard & Hofmeister were the architects





Bruce & Kraus



Deep walls for sturdy character

SETTING a door well into the aperture is a trick of the architect's trade to emphasize wall depth and show a solidly built house. The entrance to the home of George G. Bass, Greenwich, Conn., gives this effect, while surrounding walls reveal fine architectural character. Frank J. Forster & R. A. Gallimore, architects

A house-to-house tour of France

Guide-list to the most interesting examples of domestic architecture • By Harold D. Eberlein

To see domestic architecture in France demands a different procedure from the same pursuit in England. The country is larger, the distances are greater, and there are not the same facilities for local intercommunication. The ideal way to study French domestic architecture, of course, is to motor. If motoring is not feasible, the next best thing is to make the chief town of a Department your headquarters and radiate your excursions from there.

In motoring through France, you will have to be on guard against being misled by the long, straight main roads. These roads come directly into interesting places only by accident, not by intent. To find most of the best things it is necessary to branch off from the main roads and explore cross-roads and by-roads that often present but little attraction to the motorist.

In your explorations you will find every type of architecture from mediaeval down to Neo-Classic, and the versions of each phase will vary greatly in the different parts of the country, both in materials and in chief features of design.

For general convenience the types have been classified as Mediaeval, Renaissance, Baroque, Rococo and Neo-Classic. So far as the last three are concerned, however, the classification has been largely according to dates. It frequently happens that there is little material difference in external aspect between the houses of the middle period of the 18th Century—which it is convenient to call the Rococo Age—and some of the houses of the preceding period, on the one hand, and some of the houses of the following period, on the other. There are unmistakable external types of all three periods, but usually the middle period avoids extremes and bridges the gap without ostentation of style.

PARIS

NEO-CLASSIC: 2, Avenue de Bois-Préau, Malmaison; stucco. Little Chateau, Vitry.

NORTH OF PARIS

SEINE-ET-OISE

BAROQUE: Hotel de la Chancellerie, rue de la Chancellerie, Versailles; 1670. Chateau du Chesnay, nr. Versailles; att. to Mansart. La Ranchére, Saint-Nom-la-Bretèche. Chateau de Noisy-le-Roi, Noisy-le-Roi. Gatehouse, Chateau de Royalhen, Compiègne.

ROCOCO: Villa Trianon, Versailles. House on the rue Saint-Louis (Bonaparte House), Versailles. Le Butard, Bois des Dubies, nr. Versailles; Built by Gabriel for Louis XV. House in the Boulevard Saint-Germain, Versailles. House of Madame de Pompadour in the Canton Sud, Versailles. Le Pavillon de Madame, Avenue de Paris, Versailles. Hotel de Réservoires, Versailles.

NEO-CLASSIC: La Lanterne, Versailles. Saint-Vigor, Viroflay. Octroi, Porte Louveciennes, Versailles. Numéro 16, rue d'Angouleme, Versailles. Numéro 93, rue Royale, Versailles. Chateau de Voisins, Louveciennes. Numéro 147, Boulevard de la Reine, Versailles. House of Madame Elizabeth, Avenue de Paris, Versailles. Little Directoire house at Saint-Nom-la-Bretèche Louveciennes-le-Pavillon, Louveciennes. Pavillon de Musique, Montreuil, Versailles.

RENAISSANCE: Manoir, Omverville.

PAS-DE-CALAIS

MEDIAEVAL: Ferme la Cugnie, Isques, nr. Boulogne. Ferme le Grand Moulin, Isques, nr. Boulogne.

RENAISSANCE: Les Tourelles, Echinghen, nr. Boulogne. Ferme la Grande Maison, Bazinghen, nr. Boulogne. La Ferme da la Haie, Nesle (Neaufchatel), nr. Boulogne.

BAROQUE: Chateau d'Odre, Maquinghen, nr. Boulogne. La Ferme du Manoir, Hesdigneul, nr. Boulogne. La Ferme du Rieu, Hesdin-l'Abbé, nr. Boulogne.

SEINE-INFÉRIEURE

MEDIAEVAL: Farmhouse, Doudeville; stone and brick. Farmhouse, nr. Saint-Romain; stone; about 20 km. from Le Havre. Ferme des Tourpes, nr. Neufchatel-en-Bray; stone and brick. Manoir, Héronchel; stone; about 23 km. fr. Rouen. Farmhouse, nr. Bolbec; stone; 30 km. fr. Le Havre. Mare des Soles, Yvetot; brick and stone. Farm buildings, Archelles, nr. Dieppe; patterned brick. Manoir, Veules; stone; 30 km. fr. Yvetot. La Ferme Caillettot, nr. Bolbec; brick; about 30 km. fr. Le Havre.

MEDIAEVAL: Farm buildings, Beaufresne; brick; about 20 km. fr. Neufchâtel-en-Bray. Chateau Normanville, Gournay; brick. Farm of the Huguenots, Beuvreuil; stone. Chateau Cléres; stone, 20 km. fr. Rouen. Farmhouse, Saint-Pierre-le-Viger; stone. Manoir, nr. Vreulleville. Manoir, Esclarelles. Inn, nr. Bourdainville; half-timber. House nr. north door of Cathedral, Rouen; half-timber. Logis du Grand Turc, rue Saint-Romain, Rouen; half-timber. Logis des Caradas, Rouen; half-timber.

RENAISSANCE: Farmhouse, Fry; 26 km. fr. Neufchâtel-en-Bray. Manoir d'Ango, nr. Dieppe; stone and brick. Château, nr. Bolbec. Manoir at Croixdalle. Farmhouse, nr. Yerville. Manoir, nr. Lintot. Farm, nr. La Remuée. Cloitre Saint-Maclou, Rouen; half-timber. House of Diane de Poitiers, Rouen; half-timber. Houses, rue des Matelas, Rouen; half-timber. Marché aux Balais, Rouen; half-timber. 13 Rue de Petit, Salut, Rouen; stone.

RENAISSANCE: Maison de Corneille, Petit-Couronne, nr. Rouen. Manoir d'Alezonde, Criquetot-l'Esneval; stone, brick and timber; about 10 km. S. fr. Etretat. Ferme de Saint-Jouin; stone brick and timber, about 10 km. fr. Etretat.

BAROQUE: Manoir, nr. Bures. Farmhouse, Saint-Pierre-le-Viger. Manoir Duval, nr. Freulleville.

NORTHWEST OF PARIS

EURE

MEDIAEVAL: Farm buildings at Droisy; 30 km. fr. Evreux. Château Rabais, nr. Les Bottereaux; 48 km. fr. Evreux. Farm buildings nr. le Neubourg; stone; 25 km. fr. Louviers. Fort, Basville; stone; 30 km. fr. Pont Audemer. Château Beaumont-le-Roger; stone. Farm buildings, nr. Le Neubourg; half-timber; 25 km. fr. Louviers. Grand Cerf, Grand Andelys; half-timber. Old manor house, nr. Bernay; half-timber.

CALVADOS

MEDIAEVAL: Manoir of [illegible], Trouville; half-timber; 5 km. fr. Pont-l'Evêque. Manoir Querville, nr. Orbec; stone and brick. Château, Saint-Contest, nr. Caen; stone. Château Victot; stone; 21 km. fr. Pont-l'Evêque. Château Saint-Lô, Vaucelles; stone; 15 km. fr. [illegible]. Manoir, la-Quesnay; brick. Château Houblonière, nr. Lisieux; stone. Château Epreville, Martainville; brick; 14 km. fr. Falaise. Farmyard, Château, Saint-Pierre-sur-Dives; 25 km. fr. Lisieux. Manoir de l'Abbaye-de-Saint-Evroult, Saint-Evroult-l'Evêque. Manoir nr. Falaise; stone. Manoir, Saint-Marie-aux-Anglais.

MEDIAEVAL: [illegible]



Accenting the French theme in this Santa Barbara house

In Mrs. James Ward Thorne's Santa Barbara house color schemes were selected to emphasize old French furniture and rugs. The morning room walls are deep cream as a neutral background for the Aubusson rug in rose and blue, and the gray-rose of the taffeta curtains. Mrs. Thorne was her own decorator

A RARE Aubusson rug in misty blues, rose and beige tones inspired the delicate scheme of the drawing room which is illustrated below. Chairs here are covered in gray-rose velvet, while the blues of the rug are repeated in the taffeta coverings of the other pieces. Edwin H. Clark, Inc., was the architect of this house









The living room at the top of page has gray-green walls that exactly match the satin curtains, and a charming scheme of peach, green and beige. In the dining room shown above, the walls are white with lemon-gold brocade curtains and a raisin rug. Walls in the hall are citron yellow; the rug is a Spanish tapestry





IN PLANNING the grounds o his home at Larchmont N. Y., Carl O. Giessler ha achieved notable variety o effect, charm of plants an pleasant privacy within limited area. As shown, th pool and rock garden are th result of but three years' tim

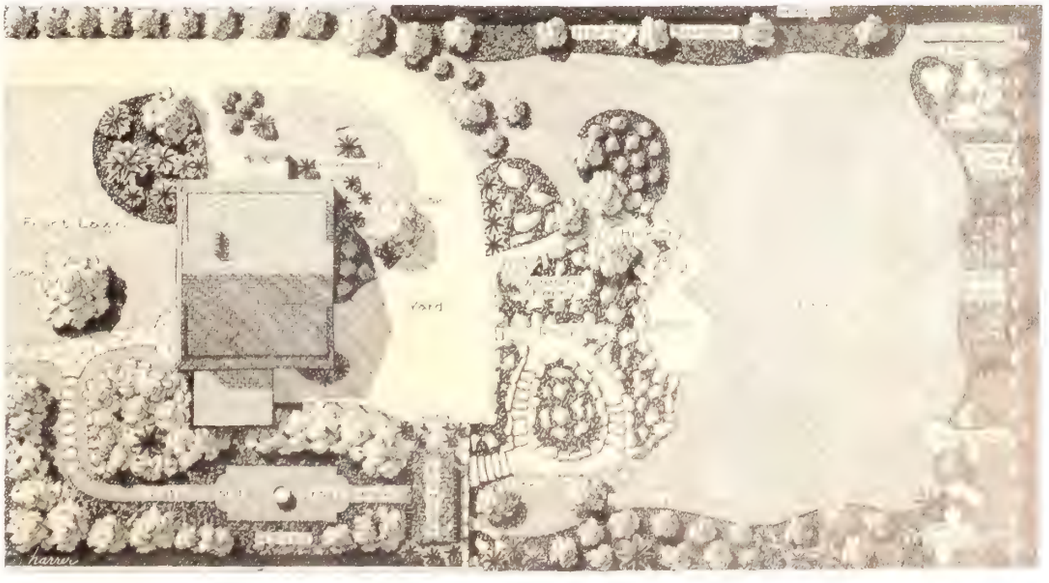
FROM the luxuriantly flour ishing rock garden an pool one looks across th lawn to boundary shrul backed by Laurel-leave Willows which enclose th sides. The rear line is marl ed by Poplars faced dow with lower growing plantin

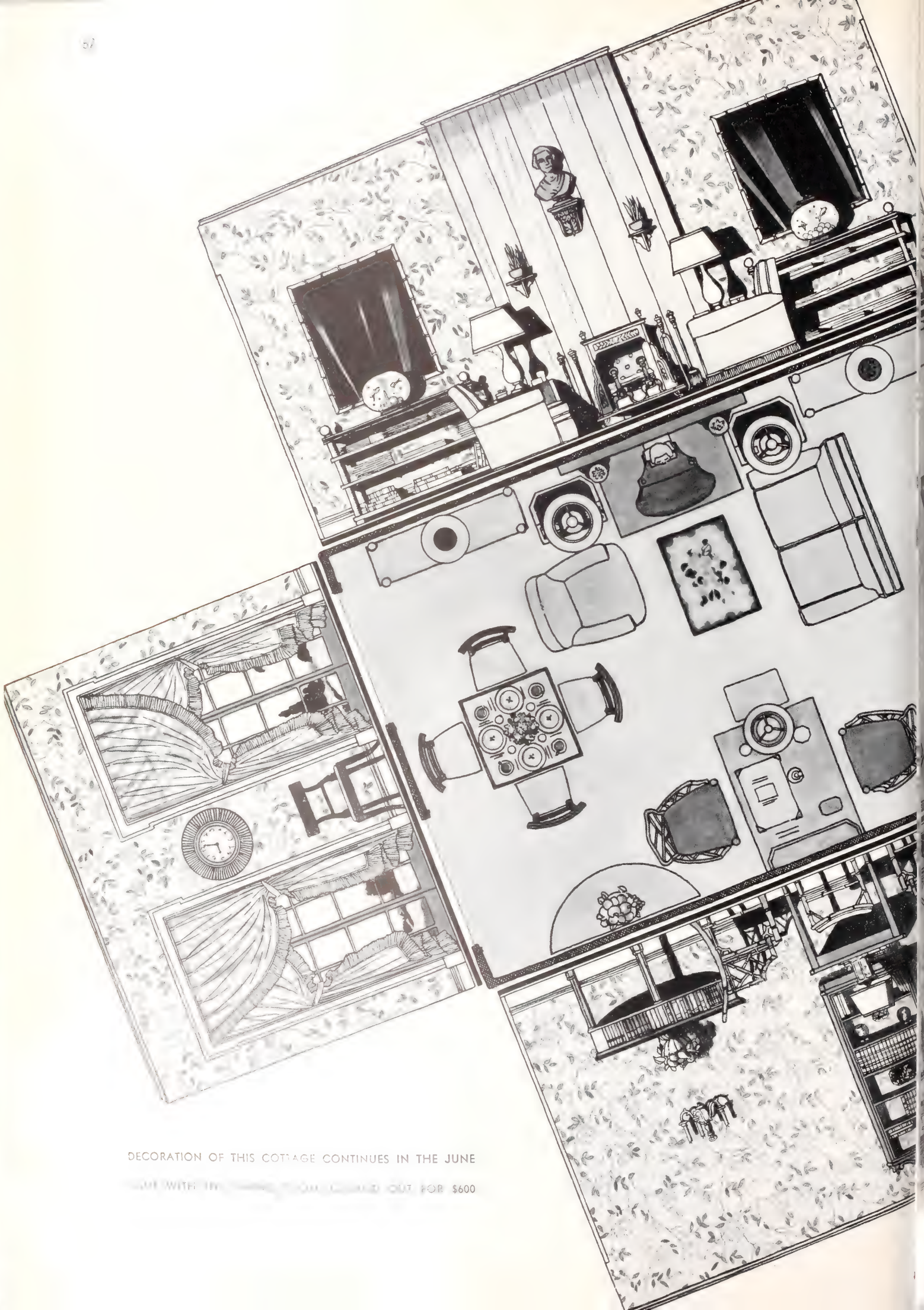


A small suburban property proves the case for landscaping

VERGREENS, especially Hemck, Douglas Fir and Chise Spruce, have been used ely to enhance the yearund effect. The driveway s been made particularly viting. Its rear curve is nked with Dogwoods and siers for winter bark beauty

R. GILSSLER'S property easures only 100′ by 157′, it presents four disct motifs. From the front n a path leads to a small mal garden naturalized h early bulbs. Thence one es to the rock garden and to the outdoor living room

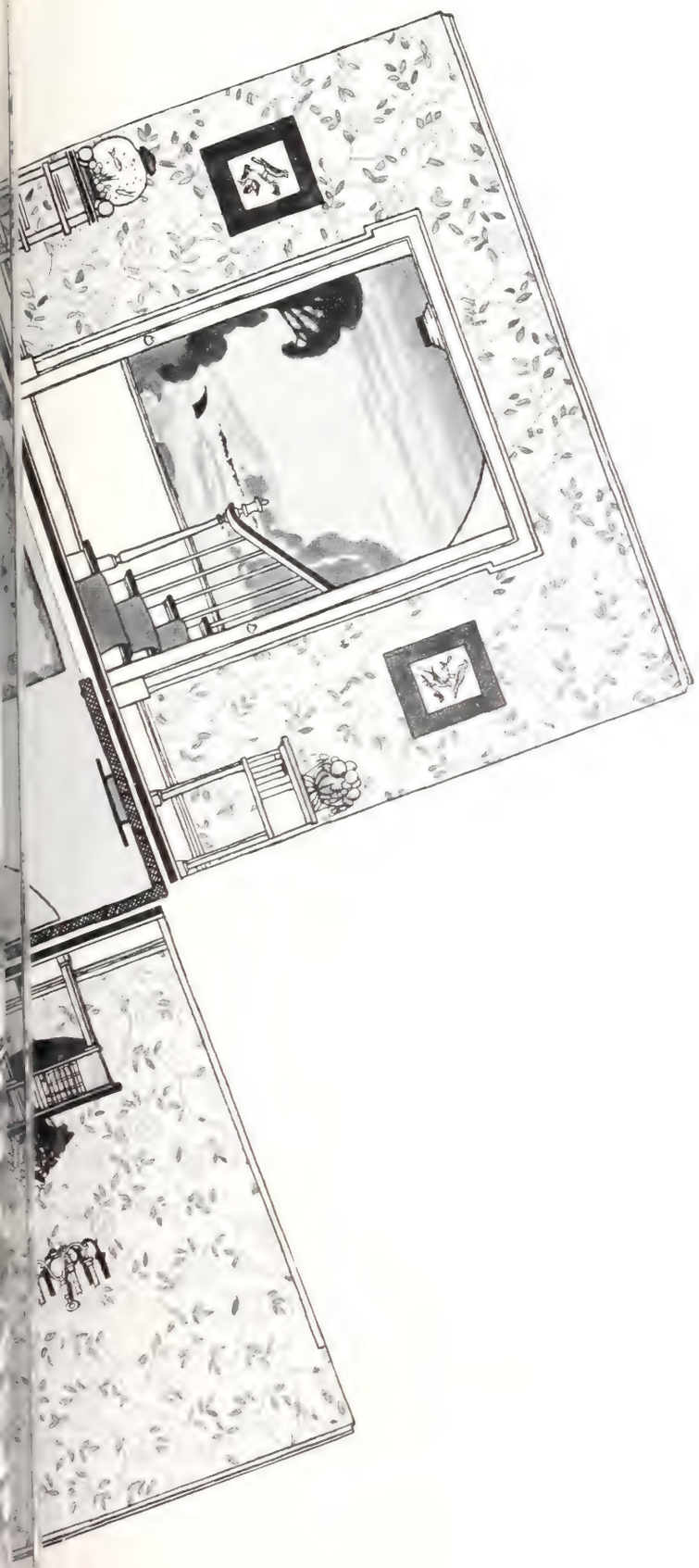




DECORATION OF THIS COTTAGE CONTINUES IN THE JUNE

ISSUE WITH THE [illegible] ROOM CLEARED OUT FOR $600

House & Garden decorates a summer living room on a $750 budget



By L. T. Luke Kelly

Carte Blanche is dead. After ailing for several years he slowly expired during the last holiday season. No longer will we be the pampered occupants of his large, overstaffed house at the seashore. His will tells us that henceforth we are to have the five room cottage usually given to the caretaker and his family. Well, at least it will afford us new adventure. It may even eventually turn into the type of home we knew and loved before old Carte Blanche gathered us under his wing—who can tell? Anyway, we certainly had one grand fling before he passed on.

At first glance the little house seems drab and cold but as we must make the best of it, let's see what can be done. Of course, there's always the alternative of staying in town during the summer, but as the large place there, too, must soon be exchanged for a much smaller one, maybe the experience of fitting out the cottage will give valuable training toward the greater problem to come.

Planning, shopping, sewing, always and forever keeping the expense factor in mind, will give us a busy summer, but it will occupy the time and drive away annoying thoughts of past grandeur.

Careful auditing of cash on hand and computation of income for the next few months give us the amount which can be expended. A bit of scientific apportionment and we break this total down to the maximums which may be expended on each room. Now all that remains is to compile a list of what is required for each room and make the total cost of these agree with the amount the room has been budgeted. No mean task this, yet it can be done, and there is a certain satisfaction about becoming such a systematic person almost overnight.

We begin our shopping and furnishing with the living room. By dint of diligent effort we finally acquire the necessities and even a few luxuries, to completely care for this room within the budgeted figure of $750.00.

To the left is the room as it finally evolved. While splendor is conspicuously absent, so too, we boast, is any impression of the new poor "trying to make the best of things, my dear." No feature but has some little personal experience or anecdote attached that endears it to us. In some instances the appropriate article was found only after long search. To offset these, however, are the more than a few times that no search at all was required.

The wall paper was a happy [illegible] game. With it on our walls the room immediately took on such vivid life and [illegible]

Two gardens for two different sites

Ruth Dean designs a fan-shaped garden to face the water and a simple poolside flower planting

GARDENS are very much a product of their sites, and in that way acquire their individuality. The two gardens here, for instance. One was on a fairly flat terrain that bordered Long Island Sound and the garden made on it would naturally include such accessories of bathing as bathhouses. The other plot sloped down to the edge of a steep bluff so that the house stood on the highest point and the garden was laid out on two levels—the paved terrace with its supporting wall and steps to be masked with shrubbery, and the flat area of simply patterned beds to surround an oblong pool.

In the former, on the place of Mrs. G. Arthur Schieren, at Great Neck, L. I., the fan-shape was selected because it afforded a fine sweep of the Sound to be approached gradually through the garden. At each tip of the arc were set the bathhouses, the arc itself being made by a flagstone paved pergola over which were spread Lady Gay Roses, Climbing Hydrangea, Clematis and Wisteria. Immediately before this was swung a perennial border with Hollyhocks and Delphiniums at the back, Shasta Daisies, Peonies, White Phlox, Anchusa and Iris for mid-plants and Grass Pinks for the edging. This planting with variations is continued down the two outside beds of the fan. Spireas and Lilacs are placed at corners for accent points.

The middle beds are given over to Roses interplanted with pink Tulips and followed in summer by pink and white Snapdragons. The edgings are Ageratum and Heliotrope.

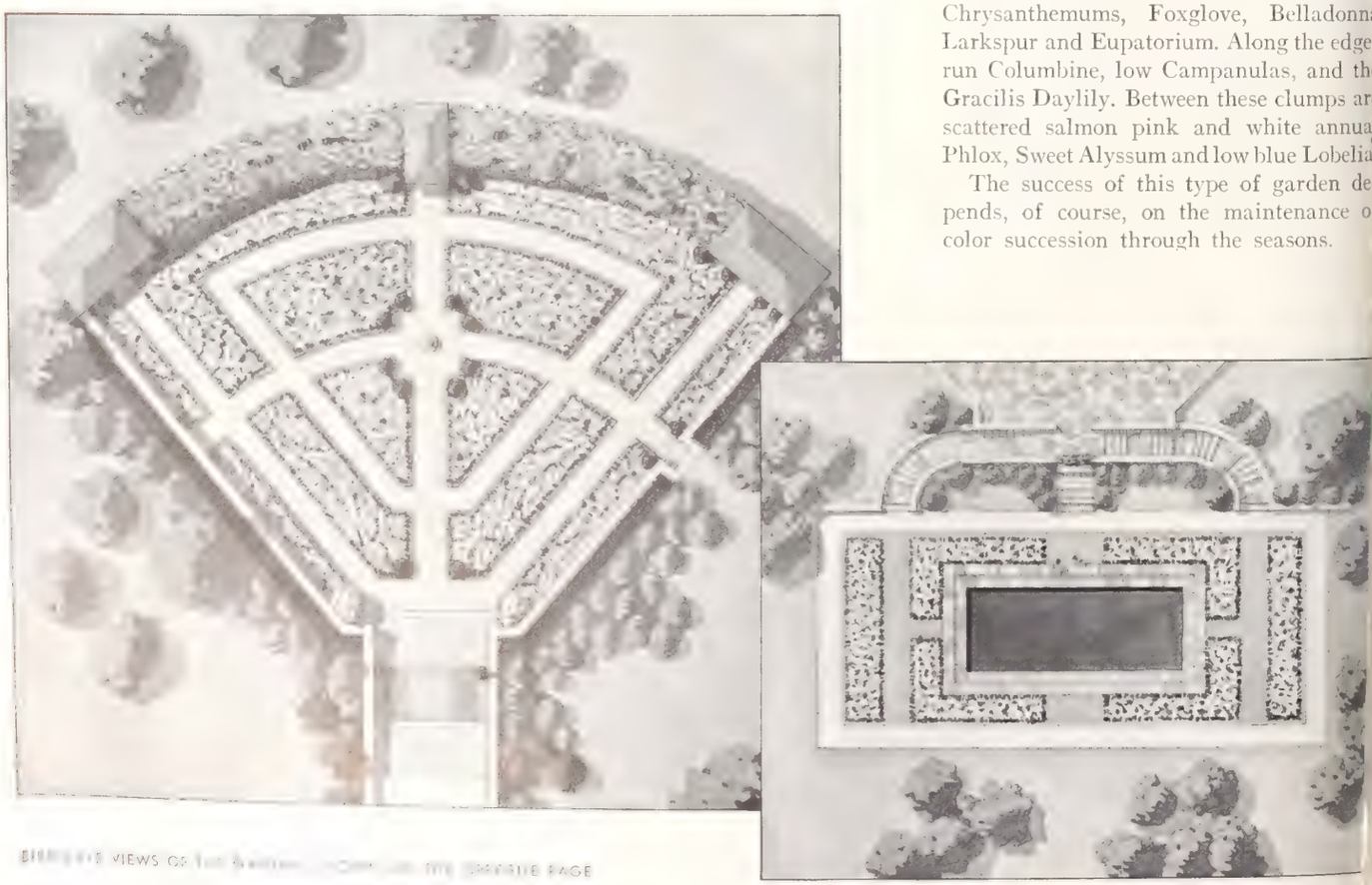
At the crossing of the middle paths stands a sundial with English Ivy around it and Standard Roses at the corners of the adjacent beds.

The garden form is supported by a low brick wall on each side, behind which are massed plantings of flowering shrubs such as Viburnum, Honeysuckles and Highbush Cranberry.

Though simpler in design, the poolside beds of the other garden are no less colorful. Supporting the wide steps are clumps of Cotoneaster, Azaleas and Lilacs, and around the edges of the garden groups of Japanese Quince, Euonymus, Azaleas, White Birch, Cedars and Bush Honeysuckles give it background without obstructing the view.

The beds immediately around the pool are planted with pink, silvery lilac, mauve, blackish purple and lavender blue Tulips in shoals to be followed by blue Balcony Petunias and pale yellow Scotch Marigolds. The spring bulb planting of the other beds include Grape Hyacinths amid Pink Primulas and poeticus Narcissus with blue Mertensia. These edge the beds. The middle is a thick graded planting of herbaceous perennials, with Delphiniums, Lilacs, Blue Salvia, Monarda, Aconite and such, for the middle tall plants, which are faced down each side with Iris, Peonies, Chrysanthemums, Foxglove, Belladonna, Larkspur and Eupatorium. Along the edges run Columbine, low Campanulas, and the Gracilis Daylily. Between these clumps are scattered salmon pink and white annual Phlox, Sweet Alyssum and low blue Lobelia.

The success of this type of garden depends, of course, on the maintenance of color succession through the seasons.



DIAGRAMS AND VIEWS OF THIS GARDEN ON THE OPPOSITE PAGE



A FAN-SHAPED GARDEN PICTURED BY BIRCH BURDETTE LONG



A POOLSIDE PLANTING PAINTED BY [illegible]

The color pageantry of flower gardens

The current vogue of white now influences dressing table attire



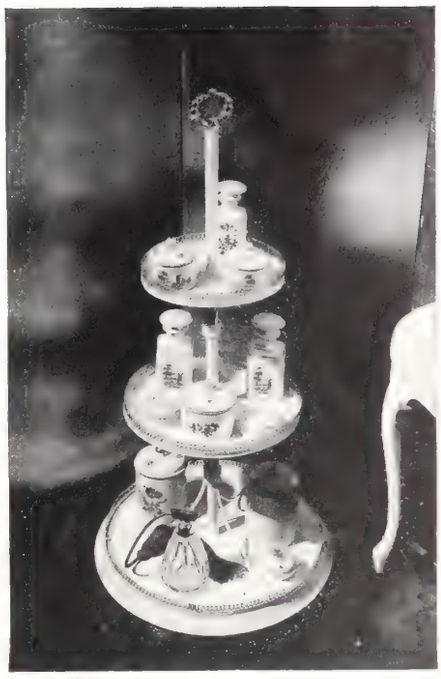
George W. Harris





IN CRISP white organdy, with deep ruffles, the dressing table at left, above, is effective against the white grounded paper. White soapstone lamps have silk shades bound in red. Mrs. Tuckerman Draper, decorator. (Above) Dressing table in white duck bound in red chintz and decorated with red glass buttons would be smart in a tiny boudoir. Chintz Shop

POINTS of blue percale, edged in narrow blue and white pleatings, trims the white glazed percale drapery of the table at the left. The smart white accessories include Chinese porcelain lamps having silk shades with ball fringe and glass bottles in swirl design. The stool painted white is cushioned in matching blue percale. From The Chintz Shop



George W. Harting



Ben Dorsey



Earl Averill Smith

In a small powder room a mirror-framed [illegible] makes a dressing table, the practical [illegible] with vanity jars and bottles. These might be of white [illegible]

Sapphire taffeta curtains trimmed with knife pleated ruffles and hung over white Venetian blinds form an attractive setting for the dressing table [illegible] been carried out in its drapery of soft white frille, [illegible]

[illegible] dence of Dr. Douglas Quick, Lake Mahopac, N. Y. Hung in white voile over pink Celanese, and trimmed [illegible] colors of the curtains. Against the table stands a sofa [illegible]

New dress cottons make gala frocks for summer rooms



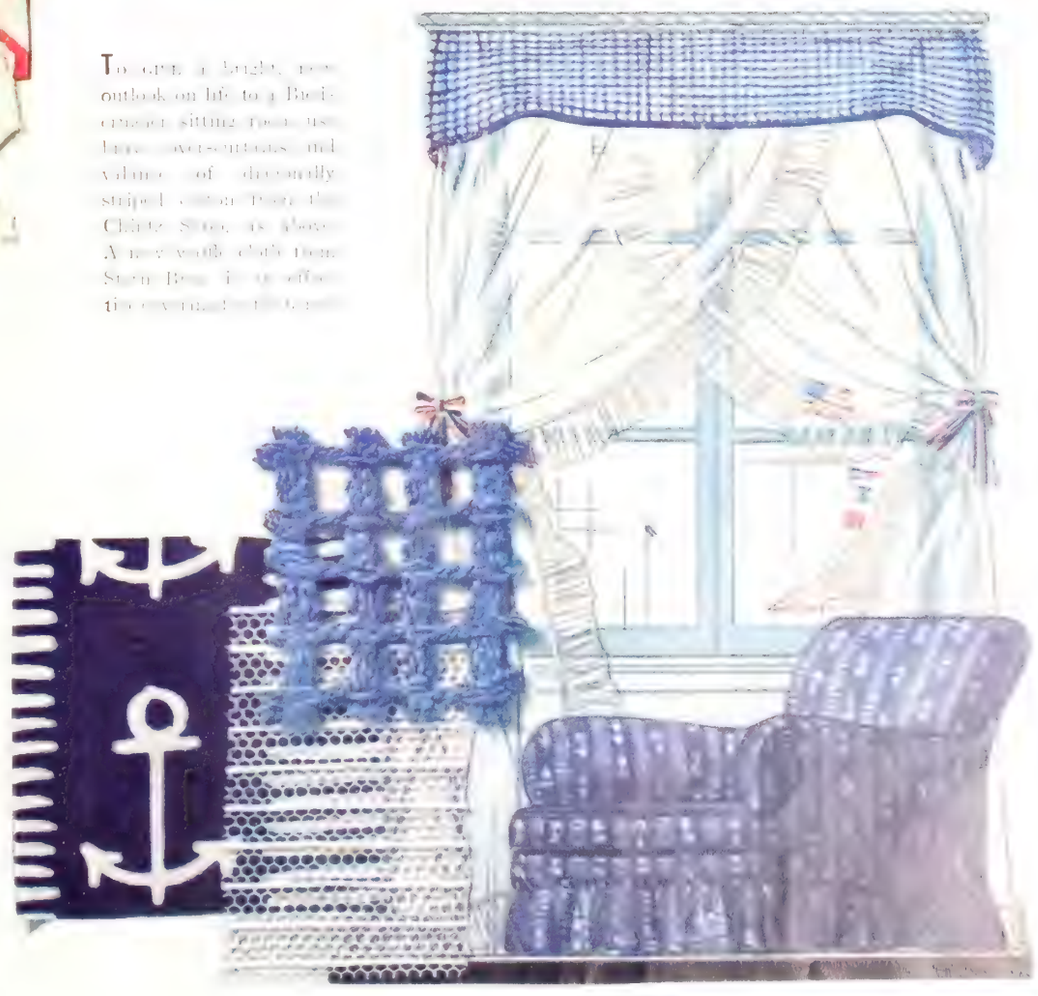
A [illegible] in cotton and rayon fabric [illegible] curtain of striped linen (Macy) [illegible] ont view. Chair upholstered in [illegible] skirts made of Jamaica handker-[illegible]



To give a bright, new outlook on life to a Bird-cage sitting room, use here over-curtains and valance of diagonally striped cotton from the Chintz Store, as above. A new youth club from Stein Bros. is an effective covering for the Queen

THE illustrations on these pages show how cotton dress materials may be used in decoration to achieve smart, new effects. At the right is a mural corner, chair covered in a Contemporary anchor print and, at the window, a fish-net valance. Both from McCutcheon's. The ruffled glass curtains are of net from Macy

A CHARMING bed for a young girl's room is shown on the opposite page. Tiny blossoms are embroidered on the organdy tester and side curtains, and fresh, round daisies polka dot the spread—a Contemporary print. A stitched design of small squares covers the slipper chair. All these fabrics from McCutcheon's





DELPHINIUM AJACIS



COREOPSIS

Easy annuals for amateurs who want their summer gardens bright

Among some amateur gardeners in America there appears to be a rather well developed tendency to look upon annual flowers as being somewhat akin to the paper frills which adorn the utility ends of those lamb chops served at Ye Olde Coloniale Taverne Shoppe Bye Ye Sea. In other words, they may be fairly pretty, but scarcely worth bothering with. You just push them aside and give your real attention to perennials, the true meat of the garden!

Now, in my humble opinion, this attitude is absolutely and unqualifiedly all wrong. Annuals are neither silly ornaments nor lacking in good red garden blood and vitamines. You can get results with them which all the hardy perennials at your favorite grower's cannot duplicate. They are at once the poor gardener's delight and the rich one's consolation. If it is permissible to borrow a theme from the lingo of the dog people, annuals can do anything that any other flower can do, and then whip the other flower.

And when you sit down and think calmly about them, annuals are such responsive, grateful souls! In return for a bit of soil, sunshine, water and a modicum of attention they start right in to bloom their heads off for you, always glad to fill in any gaps in the permanent planting or spread a gorgeously colored carpet all their own. When most of the perennials are sunk in their midsummer depression, your annuals go breezing along cheerfully under full sail. Their philosophy, quite literally, is a short life and a gay one. They eat, drink and are merry, for tomorrow they die.

There's a lot to be said for such an attitude, even though it means that you, as its patron saint and promotor, must get extremely busy each spring with sowing, transplanting and their related activities. You will have much traffic with small envelopes of seed, flats filled with light, porous soil, a very fine-rose watering can, and sometimes screens to temper the most ardent rays of the sun. You must learn the tricks of the trowel and master the knack of lifting and resetting wee plantlets without harm to leaf or rootlet. Your knees will acquire stiff caps and your back unwonted cricks from much stooping and groveling. Upon your lily-white paws will appear, deeply ingrained, the sign of the soil. But when June comes—and from then on until after the first frosts—how abundantly worthwhile it all will seem!

It would be quite possible to fill the re-



By Robert Lemmon

maining pages of this magazine with the story of the annual garden and its making, without back-tracking once. That, however, would be both selfish and unnecessary, for what most of us want is clarification rather than complexes. There are so many hundred members of this flower group that selection without simplification may well become a problem.

So, with malice toward none and with charity for all, the following kinds are set down as particularly fulfilling the requirements of ease in culture, variety and wealth of bloom. From among their ranks a whole large garden could be stocked; they will prove quite as acceptable in the little backyard bed. All that most of them ask is a moderately rich, loamy soil, sunlight for several hours a day, and water in time of drought. To those whose gardening experience is slight, here may well be a farewell to doubts.

Ageratum: Varieties Blue Perfection and Little Dorrit. Lovely soft blue, fuzzy looking flowers, 6″ to 10″ high. Good for the front edging of beds and for cutting.

Alyssum (Sweet): White, low-growing and fragrant. Excellent for bed edging.

Asters: One of the finest of all flowers for garden dis- (*Continued on page* 91)

THE ANNUALS shown on this page range between 6″ and 4′ in height, with the Morning-glory adding a couple more yards for good measure. They are all simple to grow and can be depended on to give an impressive display of bloom if accorded moderately good soil, sunlight and summer watering. Do not allow them to get really dry

A LONG season of bloom with the annuals is fostered in several ways. One good plan is to start successive batches of seed, beginning in March, so that fresh plants will be maturing all summer. Another important factor in the continuance of any plant's blossoming is to nip off all old flower heads, thereby preventing the formation of ripe seeds



SWEET ALYSSUM



ANNUAL MALLOW



MORNIN[illegible]





Settings for the pleasant ar

of dining in the warm sunligh



china immediately above and at the right.

Little gardens far above the ground

By G. T. Huntington



MARGERY SILL WICKWARE, DECORATOR

THERE'S no getting away from it—the original Mr. Adam did start a number of things to which mankind still adheres without a quaver of doubt. Fruit eating, for one, and sun bathing for another. Yes, and living in a garden, too, and hating like the very mischief to move out. Which last thought brings us to the theme of the present paragraphs on gardens that never see the earth.

Anyone who can beg, borrow or steal a flat city roof can have a garden. Not quite like the one that great-grandmother used to have up there in North Salem or Edgartown, perhaps, where the afternoon shadows were so fragrant and the outlook so utterly peaceful in a peaceful summer world, but a garden just the same. It's chiefly a question of determination and a fair supply of horse-sense.

In the first place, the garden on the roof must have plenty of good soil deposited in good containers through the bottoms of which excess water can find egress. Whether you use plant pots, tubs or long boxes, see that they are at least a foot deep and of equal width. This is the minimum soil allowance for any plant that is expected to do more than temporarily survive the winds, evaporation and reflected summer heat that the situation provides. The soil itself must be a good potting loam containing plenty of humus and a fair amount of plant food. Unless you have a country place whence it can be imported, browbeat some inoffensive florist into selling you some or telling you where to go.

Regular and plentiful watering in late afternoon will be needful in hot weather, especially; for this a hose connection is as desirable as a good friend among the higher-ups of the local police department. Lacking it, invest in at least one man's-size watering-pot.

In the matter of plants, choose the tough and willing ones that are not easily discouraged. Potted Tulips, Hyacinths, English Daisies and Pansies are excellent for spring effects; they look especially well in combination with some of the dwarf forms of Arborvitae which, well planted and watered, should last for several years. Flowering Almond, too, is a lovely spring shrub of small size that continues to look well all summer if you treat it decently.

In general, draw heavily on the annual flowers for color effects. Sweet Alyssum, Paris Daisy, French Marigold, Dwarf and Climbing Nasturtiums, Annual Coreopsis, Zinnia, Verbena, Gaillardia, Balcony Petunia and Portulaca are good standbys that will provide plenty of bloom and variety of color and height in locations ranging from half to full sun. They need protection from the full sweep of the wind, of course, either by the roof parapet or an enclosing fence of split wood saplings.

The chances are you will want some vines, either to trail down from elevated boxes or to climb trellises on penthouse walls, chimneys or as screens to shut out the view of the Peppy Popcorn factory off yonder. For such use the Cardinal Climber is good, and so are Morning-glories and the yellow Canary-bird Vine. Where out-and-out shade is sought, nothing is better than the Japanese Hop. It does all that its name implies, reaching to a height of twenty feet or so in a month's time.



[illegible] Arthur Smith

MARGERY SILL WI[illegible]ARE, I[illegible]



AZALEA MOLLIS

Hardy Azaleas for garden color notes

By P. M. Koster

THE question of who first introduced Azaleas in Western Europe has long been a bone of contention. The French claim that Tournefort was the first to describe the clan in 1702, when he called attention to *Azalea pontica* from Asia Minor, while the English have it that the first Azaleas were mentioned and brought over from America to England by Peter Collinson in 1734. Edouard André, in his excellent book *Plantes de Térre de Bruyéres,* states that the first *Azalea pontica,* also known by the name *Azalea lutea,* was not introduced in Western Europe before 1793.

Between 1806 and 1812 *Azalea calendulacea,* a native of this country, was taken over to Europe with some other kinds, while in 1818 *Azalea arborescens* and in 1823 *Azalea chinensis* came from China.

These dates are exceedingly interesting because as soon as the different Azaleas from various parts of the globe came together cross-hybridization started, leading step by step to the marvellous kinds which are an ornament for our gardens today. The partnership between Nature and Man

Lord Carnavon at Highclere, England, was one of the first hybridizers; he originated *Azalea altaclarense,* a beautiful orange yellow, still ranking high today and grown in many nurseries. The name Highclere is hiding in the name *altaclarense, alta* being the Latin word for "high" and *clarense* being the Latinized word for "clere". A very beautiful seedling of *altaclarense* is *Hollandia* which has deep, golden yellow flowers and larger flowers than its parent and is also hardier.

Azalea calendulacea, our native Azalea, when brought over to Europe, opened up all kinds of possibilities for hybridizers. They were attracted by the color and the size of the flowers of this Azalea and cross hybridization with *Azalea pontica* very soon produced wonderful hybrids. Some originated in England but most of them in Ghent, Belgium, hence the name for those particular hybrids of Hardy Ghent Azalea or *Azalea gandavensis.* It is most interesting to know that we owe some of the finest varieties to the efforts of a baker named Mortier who divided his time between baking bread and hybridizing Azaleas. His work dates back to 1830 and his name lived for some time in that of a Rhododendron, *Rhododendron mortieri* which he originated but which, I think, has now disappeared entirely.

Hardy Ghent Azaleas surely should be used in every garden, for their variety in color, size and shape of flowers is amazing. Some grow very early and are less desirable in the Eastern States as late frost may kill the young growth. I have been making notes on Hardy Ghent Azaleas in this country for a number of years and can safely recommend the following varieties for garden use:

Raphael de Smet, double, very soft rose. Unique, deep bright yellow, shaded orange. Pallas, magenta red. Dulcinée, salmon red with yellow blotch. Daviesi, white, large flower, very fragrant. Bijou de Gandbruges, double, rosy pink.

All these are excellent growers provided they are given the proper care. Where late frosts do not occur or are exceptional, I would also recommend Gloria Mundi and *Coccinea speciosa,* both brilliant orange. There are numerous other very fine varieties. One European catalog lists nearly two hundred; I know many of them and know they are all distinct. As the named varieties of Hardy Ghent Azalea are grown by grafting, it is necessary to watch for suckers which sometimes will develop from the understock. These should be torn off rather than cut.

A later introduction from China and Japan is *Azalea mollis,* easily grown from



AZALEA INDICA ALBA



AZALEA MUCRONULATA

seed. The flowers are considerably larger than in most of the Hardy Ghent Azaleas and range from almost pure white through all shades of yellow, orange and rose to red. They flower before the leaves appear and bloom very abundantly.

Different growers have selected plants excelling in color and size of flowers and have given them names. These plants are propagated by grafting or layering, this being the only way to secure plants of identically the same color. Some of the best varieties are:

Alphonse Lavallée, brilliant red, very large flowers. Margo Koster, almost pure white with yellow blotch. Victoria, red, large flowers. Isabelle van Houtte, nankeen yellow, shaded orange. Comte de Quincey, bright yellow, overlaid with golden yellow. Mrs. L. J. Endtz, fine clear yellow, large truss.

A Belgian grower originated another group by crossing *Azalea mollis* with *Azalea chinensis*, a species imported from China. The hybrids are known in the trade by the name of *Azalea mollis* X *chinensis;* the entire collection was bought by a Holland nurseryman who developed some very beautiful varieties known now the world over and used in very large quantities in the Old World for forcing. The very best are:

Anthony Koster, brilliant deep golden yellow with orange blotch, fine large trusses of large flowers. Hugo Koster, orange shaded salmon. (*Continued on page* 90)



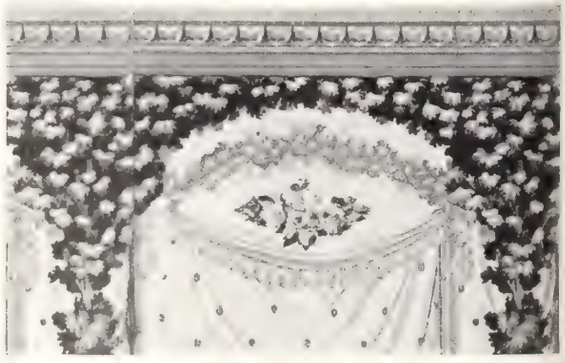
Paper masquerades as drapery to renew elegance on the wall

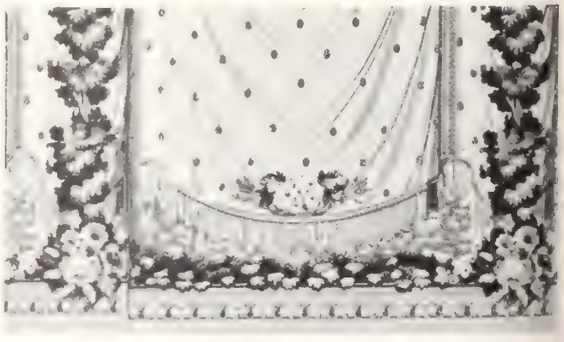






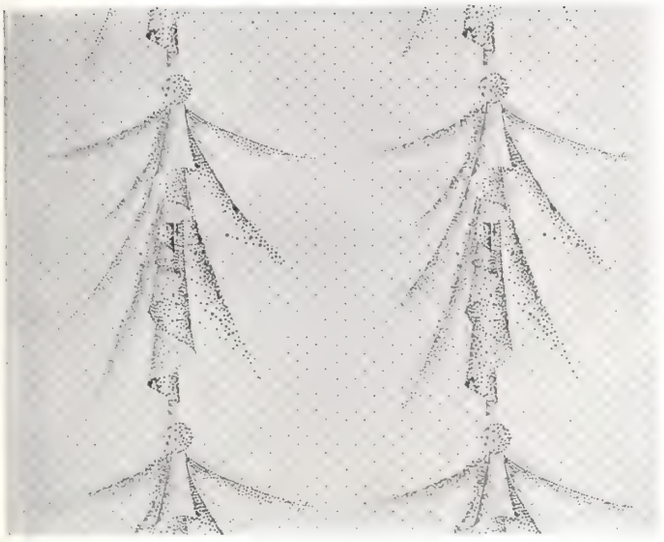
INDIAN-HEAD BORDER





POLKA DOTS AND IVY

With ribbon knotted with creamy flowers and looped on gold poles forms a delicate valance for the paper at the left. Beige flowers on a white field. Nancy McClelland. The polite Victorian hung scalps from his walls instead of his belt. Feathered Indian-heads linked by ropes of flowers make a fantastic border on a paper in tones of light brown and mauve. Barry & Desmond. Green-dotted white draperies hang from graceful colonnades of ivy on a festive wall covering from Harriet Bryant



MODERN JABOTS



A NAUTICAL MOTIF





CTORIAN COLONNADE



EMPIRE FORMALITY



New features for home building

By Gayne T. K. Norton

Tilting Windows. Wooden double hung windows for houses are now available with sash that may be tilted in at angles, laid flat on the sill, or removed from the frame without use of tools. The sash, when inclined, may be rigidly fastened at one of several angles, affording security against intrusion while providing positive ventilation in even the most stormy weather. All glass surfaces can be easily cleaned from within the room.

The windows are carefully fitted to preclude sticking and binding, we are told by the makers, Universal Window Co. Weatherstripping, which is standard equipment, is said to make the windows, when closed, entirely wind-, storm-, and dust-proof. Counterbalance of the sliding units may be arranged either with or without sash cords and weights.

Bricks of Glass. Picture in your mind's eye a baking dish of ovenware glass which is rectangular in shape and has vertical sides. Invert it to place the open side down, and you have a conception of the latest building block used in the construction of exterior walls of houses: the glass brick. In common with its pro- [illegible] glass are said to be highly resistant to the destructive action of fire, and non-breakable if they are handled with the ordinary [illegible]

Available for the construction of panels in an exterior masonry wall, the bricks will effectively keep out the weather, we are told, while greatly increasing the amount of light brought into the house. Such wall panels are not intended as a substitute for windows, which will still be advisable for ventilation and to afford an opportunity for occupants of the house to look out. A series of curved ribs, resembling rivulets, decorate the exterior surfaces of the unit and make it impossible to see through a wall thus constructed. These likewise collect a maximum amount of the light rays which play upon exterior wall surfaces, and transmit them well into the interior of the building.

Striking possibilities in wall panels of glass bricks intrigue the imagination. To mention but one, a large sheet of plate glass set in the center of such a panel will make visible a moving picture of the passing world outside. Light will flood the room through the wall in addition to that which comes through the window pane. Introduction of color into glass bricks, which is entirely feasible, suggests an original medium for room decoration.

The units are designed and made by the Corning Glass Works. They may be easily handled, quickly laid up and readily bonded into the masonry courses of a brick wall. They are hollow to lessen weight and to provide contained air spaces as an insulating agent in the completed wall. A small hole drilled in the top of each unit permits gradual shifting of contained air throughout a wall panel under the expansion induced by heat of the sun's rays, when the latter strike only a portion of a wall surface.

The standard glass brick measures four and one quarter inches by eight and one quarter inches by three and three quarters inches. Its weight is two pounds, just half that of a standard clay brick. Units are laid up in a wall with mortar joints of waterproofed Portland cement, whose maximum thickness is one eighth inch. Joints are not conspicuous in completed wall.

Silencer and Air Filter. Relief for nerves overwrought by excessive noise conditions is promised by a silencer and supplementary steel window combination recently announced. The silencer unit is installed on the window sill, with all points of contact between it and the partially opened outer sash effectively weatherstripped. A specially constructed steel casement window is fitted to the top of the unit on the inside, thus creating a confined air space between two panes of glass. While an ordinary closed window will shut out 55 per cent of the outside noise, the double glazing (*Continued on page* 82





Wall paper prelude to a nation

THE [illegible] April 30, 17[illegible] way where he [illegible] centenary of [illegible] Mr. Holland [illegible] department [illegible]



An old Long Island town gains a guild hall done in brick

THE Guild Hall at East Hampton, Long Island, is ideally situated and designed to fulfill its purpose of cultivating a taste for the arts, providing a meeting place for local committees and organizations, and encouraging better citizenship. At the left is the garden, showing one of the theater exits and the workshop wing. Below, the rear of the main wing; at left, below, is a side view

ON the opposite page, at the top, is the main approach, with the theater in the rear and the art galleries at right and left. Directly below it is a view of the loggia entrance. The theater, decorated in silver, blue and rose, has a ceiling striped in tent effect; it seats 420. The other photograph opposite shows the fireplace end of the pine paneled South Gallery. Aymar Embury II was the architect













The Gardener's Calendar for May

[illegible] planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1. [illegible]	2. [illegible]	3. [illegible] crops that mature quickly, such as Spinach, Peas, Radishes, Lettuce, etc. Frequent sowing of [illegible] mean that, once the yield has begun, you will have a ready supply that will not have a chance to get old and [illegible]	4. [illegible] Potato planters [illegible] Potatoes are a cool crop and late plantings of them are rarely successful. Generally speaking, there are a crop that is hardly worth while except in really large gardens, because of the space [illegible]	5. Crops that are inactive should receive an application of nitrate of soda or some other strong fertilizing element in quickly available liquid form. If the root crops are low in [illegible] they may be benefited by a fertilizer that is rich in [illegible]	6. Tubbed plants of all kinds may be taken from their winter quarters and moved into place now that danger of real frost is past. They should be given liquid manure and, as growth becomes active, loosen the surface of the soil in their containers. Keep well watered.	7. All the usual type of summer flowering bulbous plants may be set out now in the garden. To assure a continuous supply of Gladioli, plant additional batches at bi-weekly intervals until late in June. Glads need full sunlight and a light, rich and deep soil, well watered.
8. Most annuals may be [illegible] out now. Have the soil prepared [illegible] enough, and so that it will pulverize when [illegible] worked. A sprinkling of Dreamure well worked in will help in improving the soil texture and providing fertility. Bone meal, too, is a fine plant food.	9. The edges of [illegible] flower beds, shrubbery borders, etc., should be trimmed neatly with a turfing iron every three or four weeks. [illegible] the [illegible] cut close to tree trunks, flower beds, path edges and other such places, try a one-[illegible] mower [illegible] for the purpose.	10. Good lawns are the result of liberal fertilization and frequent mowing, the latter in some cases twice a week in growing weather. There are several good quick-acting stimulants on the market. For long-lasting results, bone meal and wood ashes are both [illegible]	11. Maple trees [illegible] should be pruned just as the buds are bursting; there is no danger of their bleeding injuriously at this time. Be sure your tools are sharp. Paint the larger scars so as to keep decay from setting in before the [illegible] has time to grow over them.	12. Carnations intended for forcing in the greenhouse next winter can now be planted out in the garden where growing conditions are good. They should have a moderately rich soil, well drained and containing plenty of humus. It should be alkaline, not acid, for these plants.	13. Now that the garden work is in full swing, invite yourself to get acquainted with the use of a wheel-hoe, either single or double. There are several kinds of work this implement can do with minimum effort on the part of the operator, like cultivating and weeding.	14. Weed killers are very necessary in stone gutters, blue-stone walks and drives, and other similar places where no growth of any kind is desired. There are several dependable brands on the market, in powder as well as liquid form. Ordinary kerosene, also, can be used effectively.
15. Just before the flowers [illegible] the [illegible] it is good practice to top-dress the beds with bone meal and rake it in. Another excellent stimulant, which will also improve the texture of the soil, is Dreamure, a mixture of manure [illegible] Dreamure Weed [illegible]	16. Roses for blooming in the greenhouse next winter should be planted in the benches now in a rich, heavy soil. Do not be in a hurry to push their development during the early [illegible] let them take their time about it, and [illegible] [illegible] won't [illegible] a good [illegible]	17. Spray Currant [illegible] Gooseberries, Elms, Cherries, etc., with arsenate of lead for rose beetles and caterpillars of various kinds which are active now. For all except the large tree work a portable compressed air [illegible] with various nozzles and an extension rod, is the best.	18. Make a small seed bed for the accommodation of late Cabbage, Cauliflower, [illegible] Brussels Sprouts, etc. Let it be of rather sandy, fairly rich soil and protect it from too much direct sun and wind by means of lath screens or plant protecting cloth. Sow [illegible] thin out.	19. It is unwise to postpone the sowing of farm crops any longer. Mangel, Sugar Beets, Carrots, Turnips, etc., may be put in at this time. Unless these seeds are planted promptly there is a chance that the crops from them will not have time to develop as they should [illegible]	20. A barrel of liquid manure in some convenient corner of the garden will be a valuable accessory for treating weak plants that need forcing. Better keep the top of it well screened with fine wire mesh, or it is likely to prove a fertile breeding place for mosquitoes.	21. Leaf-eating insects will also soon be working in the garden. For them a poison spray properly applied on the foliage of the plants is the thing to use. Every gardener ought to have a good book on noxious insects, such as Andrew Wilson's "Insects and Their Control."
22. Do not neglect to keep up succession sowings of Corn, Beans, Spinach, Peas, Radishes, Lettuce, Beets, Carrots, Cucumber and Turnips. If you time them properly, and choose the right varieties, virtually all these vegetables will yield fresh crops until frost.	23. Keep the tall flowers supported with individual stakes, the grass edges clipped, and remove old stalks from the beds. This [illegible] will make a world of difference in the appearance of the garden. Also, it may well be the means of [illegible] [illegible] pest and disease.	24. Dahlias may be planted out now in holes, setting the plant several inches below grade to allow for filling in soil as they grow. The stakes ought to be put in when the tubers are planted. Let them stand 6" above the ground, and be strong in themselves and [illegible]	25. If the weather [illegible] may [illegible] be troubled with attacks of green fly and other plant lice. Spray for them with [illegible] Tree pests with [illegible] promptly [illegible] a plant by sucking its juice, are generally found on the soft terminal growth and under the foliage.	26. When fruit trees are in bloom they should be well sprayed with a combination of Bordeaux mixture and arsenate of lead. Your State Agricultural Experiment Station will furnish you with detailed information on times and methods for the different kinds.	27. Keep the ground between the rows of Potatoes constantly stirred. If any Potato beetles are in evidence, spray for them freely with arsenate of lead. As the plants gain real size start hilling them up, working from both sides of each row with hand or wheel hoe.	28. If the weather appears settled the bedding out of Geraniums, Cannas, Salvia, Coleus and other bed-plants may be safely started. If you are not familiar with the newer improved varieties of these plants it will pay you to look them up, especially in the case of the first three.
29. After flowering the Lilacs, [illegible] Deutzias, Forsythias, Spireas, Snowballs, Pearl Bush, [illegible] should be [illegible] Before starting this work, read the article [illegible] in April Home & Garden, which gives the [illegible]	30. Winter Celery [illegible] now. Sow the seeds broadcast. When they are large enough to handle, dibble the little plants off into well prepared soil. Keep [illegible] watered all summer, so that they can make strong normal [illegible] checked.	31. Broad-leaved evergreens and hedges should now be [illegible] Shears [illegible] bear are not the tool to prevent any voids in the trees. If this work has been [illegible] it will not be necessary at this time to take off more than [illegible]	● New Moon, 5th day, evening, W.	First Week: Dry and hot.		
			☽ First Quarter, 13th day, morning, E.	Second Week: Rain, rain, rain.		
			○ Full Moon, 20th day, morning, W.	Third Week: Windy, clear, cool.		
			☾ Last Quarter, 26th day, evening, E.	Fourth Week: Fair and warmer.		

Old Doc Lemmon introduces the firm of Ruscoe, Betsy & Co.

[illegible]

Jake Ruscoe or his hound-dog Betsy. There ain't

[illegible]

this tell by the looks o' things. Which the same

the best an' busiest skunk hunter in the hull

side o' Cornwall Center.

[illegible]

rickety sidebar buggy stands under a gnurly old Appletree from one year's end to the next. A turrible run-down lookin' place, an' silent, too, 'ceptin' when Betsy's newest pups git to yelpin' or the three guinea-hens roostin' on the roof o' the wagon shed see a rat run acrost the path an' start a-screechin' fit to kill.

"Yep, it's a purty durn shiftless layout, all right, but here's a funny thing about it: the hull lot of 'em stick together come hell or high water. As one o' the summer folks said oncet, 'They've got a sort o' closed corporation on huntin' an' trappin'—Ruscoe, Betsy & Co., ye might call 'em—the pups bein' the Co.'

"Wal, as I was a-sayin', Jake an' Betsy waitin' at the station on a May mornin' for to see the noon train go past are just too plumb discouraged-like for any mortal use, but ye ought to see 'em in October! Soon's the frost gits on the leaves they kinda come to life. Jake he gits out his old double-bar'l hammer gun an' his mushrat traps, an' Betsy wags her tail an' rounds up five-six of her middlin' size pups. Then off the hull lot of 'em goes sniffin' through the woods, an' they don't hardly let up till spring comes round ag'in.

"I tell ye, it's quite a sight—Jake an' Betsy leadin' the way an' the pups stragglin' along behind like kids a-goin' to school. Mighty serious about it, they are, for if'n they don't ketch plenty prime fur there won't be no money for to buy flour an' potaters an' applejack with next summer. So they scour the hills an' valleys from sun-up to dark, an' there ain't scurcely a durn varmint worth the name thet they don't git a-holt of 'fore they're through.

"Steel traps an' hound-dogs an' double-bar'l hammer guns—yep, there's still some back country left, after all."

Will they come home to a sunny meal?



Looking back to childhood years, what are the visions, what are the memories which are most vivid and real to you today? Through all the misty tableaux of home scenes, school-days and the big times out of doors, one supreme delight stands out, clear and unmistakable—your delight in good things to eat.

Do not disappoint your own children. Give them gladness through their appetite. There's zip and tang in every taste of Campbell's Tomato Soup. The sparkle of sunshine which has reddened and sweetened the tomatoes to luscious ripeness on the vines.

This soup has the bright color and the happy flavor that children love. And it's so wholesome they can eat it until they're really satisfied. Add milk or cream instead of water for a glorious Cream of Tomato.

EAT SOUP AND KEEP WELL

ds to choose from . . .

gus	Mulligatawny
	Mutton
	Ox Tail
	Pea
	Pepper Pot
	Printanier
-Gumbo	Tomato
owder	Tomato-Okra
me	Vegetable
	Vegetable-Beef
rtle	Vermicelli-Tomato

OR THE RED-AND WHITE LABEL





Like Campbell's Soup
I stop the show
And give to all
A happy glow!

MEAL-PLANNING IS EASIER WITH DAILY CHOICES FROM CAMPBELL'S 21 SOUPS



Rooms with that
welcoming "lived-in" *look* . . .



DO your guests show a quick flash of pleasure in their first impression of your home? Do the rooms you live in give you more and more enjoyment as the months go by? The four walls of a room have so much to do with that agreeable sense of harmony. Wallpapers by Strahan have been creating—for more than forty-five years—the most sympathetic of settings. *Ask your Dealer or Decorator to show you Strahan papers.*

THE COMO—No. 7622—*Two-color paper, suitable for living room, dining room, bedroom, hall or kitchen.*

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THOMAS STRAHAN CO. Factory: CHELSEA, MASS.

New York Showroom:
[illegible] FIFTH AVENUE

Chicago Showroom:
[illegible] N. MICHIGAN AVE.

Now comes the German Baroque

(CONTINUED FROM PAGE 36)

blue of the china against the white wall made the gayest decorative scheme imaginable. At Sans Souci and Wilhelmsthal porcelain figures in many colors formed the wall decoration.

Before we leave the period of German Baroque a word should be said about the farmers' houses in Schleswig-Holstein, for they in their simplicity resemble in many ways our Early American types and are the first efforts of the country people to build dwellings for themselves. Built many years before Baroque was known, they adopted Baroque details in the 18th Century and so deserve a place in this summary. Their original plan, which changed very little, was that of a huge rectangular barn with a high peaked thatched roof which sloped down to the first story at the sides but stopped at the second story window at the ends. They were built of brick and wood beams laid flush in triangles or other patterns—the beams being stained some color or left natural. The major portion of the building was left for the livestock—the farmer and his family living in four or five low-ceilinged rooms at the other end.

The main living room, which was really the only habitable one and not a living room in our sense of the word, was used for every purpose. In the earlier houses it was paneled in wood—every available wall space being taken up by a cupboard. The paneling was not symmetrical—often curved at the top or broken by fluted pilasters. There were long cupboards with wooden doors which revealed the bed when opened. Others were for china—these usually with glass doors—still others for cooking utensils. The windows were casements. On one side, the wall was tiled in Delft tiles surrounding the pretty iron stove, one-half of which stood in the kitchen, the other in the living room. Huge brass knobs on the stove were for warming one's hands.

FOR COUNTRY COTTAGES

In the 18th Century these rooms became slightly more sophisticated and were painted in different colors, a dull green-blue or perhaps a soft pink, or white with gold. Chintz curtains were used in the bed recesses. Some rooms had painted ceilings and carved Baroque doors. Still others had floral decorations in the panels, with painted wood window cornices. They were all eminently simple and naïve in detail and very adaptable for a present-day country cottage.

The living room and bedroom pictured on pages 36 and 37 are today's expression of the graceful Baroque. While it is distinctly German Baroque, I have not hesitated to introduce the related periods in other countries. Thus the Venetian sofa in the living room, painted delicately in gold and white, the gilt mirror above the fireplace—an example of the later Italian Baroque, and the Venetian and French chairs by the sofa, with their graceful curves, are entirely in keeping with this period. The color scheme here is typically German Baroque—white a gold. Even in furniture the Germ used a great deal of white paint a white upholstery often ornament with fringe.

In the bedroom we again find white walls so much used in t period, while the china grouped brackets above the commodes is a d tinctly German Baroque treatment.

The bed, of course, is Baroque, it has more of the movement and fe ing of the Italian. Its shell and sc design has been cleverly painted represent plaster relief. The artist shaded each scroll in a slightly d ferent manner, creating the impress that the lighting is coming entir from the window. Painting the w dow cornice and headboard is an teresting touch in the room. In Baroque period there was a const striving for effect. Plaster ornam was used in varied forms. Arriv at an effect by painting the design chiaroscuro was characteristic.

BAROQUE AND VICTORIAN

The dressing table with its Baroq shell mirror was designed as a u The wide shell pink and white str of the drapery is reminiscent of bouffant skirt of a Venetian lad costume of the Baroque period— fact, such a costume was the inspi tion for this table. The Victorian sl per chair covered in Delft blue sa fits amazingly into this scheme—a yet this is not surprising, as the V torian era went back to the Lo XV and Baroque for its inspirati The curtains and bedspread are day's adaptation of the Baroque.

Mrs. Cheney's drawing room, sho on pages 34 and 35, is also imbued w the feeling and personality of the G man Baroque expressed through medium of carefully selected pie actually of the Victorian era. The tire scheme here is German Baro and the personality of the room is this era in spite of the use of a nu ber of Victorian pieces.

Walls are a warm brown with wl moldings—a scheme frequently fou in Baroque rooms. On the mantel w are six portraits of court ladies a gentlemen in white and gold fran each portrait in its separate panel. T fringed curtains of brilliant yellow t feta, with their gracefully dra valance, are also typical of this peri Baroque feeling is also apparent in white piano decorated with leaf sign and moldings in gold.

In the window are an interest sofa of the Victorian era, painted wh with gold moldings, and two holstered chairs in reseda green st satin. The group shown on page includes a sofa covered in henna a white satin stripe, the henna part o lined with white and henna loo fringe, two charming Victorian ch tufted in brown satin, with small ar covered in gold leaf, console tables the more exaggerated Baroque for

All the lamps in this room h white taffeta shades.



THE PIT

WE ALL FALL INTO

WE STAND on the brink of it and do not realize it is there.

We fall into it but do not know that we have fallen. Or, if we do know, we ponder dumbly as to the cause.

The pit is social ostracism.

And the thing that pushes us in is an insidious thing. In the medical world they call it halitosis. In plain terms, it is bad breath. Under any name, it is an unpardonable offense in social and business life.

The insidious thing about halitosis is that you yourself never know when you have it—and your best friend won't tell you. It is the last thing we suspect ourselves of having—*but it ought to be first.*

No One is Immune

For, every day in normal mouths, conditions capable of causing halitosis may and do arise.

Its commoner causes are fermenting food particles skipped by the tooth brush, decaying teeth, artificial teeth, colds, catarrh, slight infections of nose, mouth or throat, pyorrhea, stomach derangements caused by excesses of eating and—should we say it?—of drinking.

The one way to put yourself on the polite and acceptable side is to rinse the mouth with undiluted Listerine. Every night and morning. And between times before meeting others. It leaves the mouth clean, sweet, and healthy.

Strike at Cause of Odors

Because of its germicidal power, Listerine first strikes at fermentation and infection the cause of 90% of mouth odors; then destroys the odors themselves. It instantly gets rid of odors ordinary mouth washes cannot hide in 12 hours.

For Body Odors

The same swift deodorant power can be applied to advantage in ending body odors. No mere soap and water will counteract them. Listerine will. Simply apply it to the guilty areas after your bath.

There is no point in risking social disfavor when Listerine will put you so promptly on the right side. Keep a bottle handy in home and office. Carry one when you travel. Let us send you our free Book of Etiquette—tells what to wear, do, and say at formal and informal occasions. Address Dept. H.G.5, Lambert Pharmacal Co., St. Louis, Mo.

LISTERINE ENDS **HALITOSIS**

CHECKS **BODY ODORS**



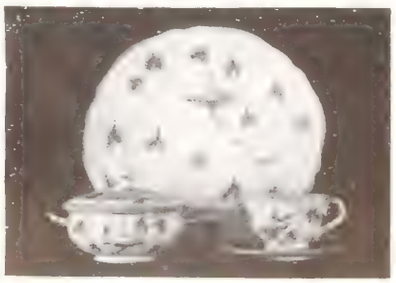
Modern in motif, this Monza tableware has a brightly colored design on a cream ground. It takes its name from the Monza Palace, where it was first exhibited. Crystal Venetian Murano glass blends delightfully with it. Centerpiece and candlesticks are crystal with black outlines.

VENETIAN GLASS

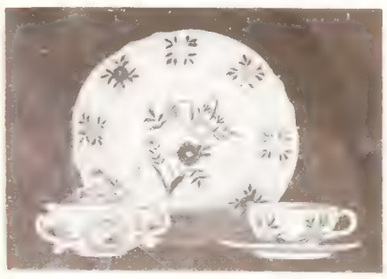
SUPREME THROUGH THE AGES

Venetian Murano glass is the perfect complement to Italian maiolica tableware. Each piece is entirely hand blown by an artist, in keeping with tradition. The wide range of forms and colors affords a perfect choice of pieces to accompany any tableware pattern.





Cantagalli Vedutine Rosse is a Florentine tableware of rare distinction. Its unique pattern, in rich red on a white ground, blends with stemware of ruby and gold Murano glass to effect a table setting of extraordinary beauty.





Deruta Maggiolino tableware reveals a gay spring flower design in light, delicate tints on a yellow ground. This maiolica harmonizes exceptionally well with stemware of pale Venetian green glass with a blue trim.

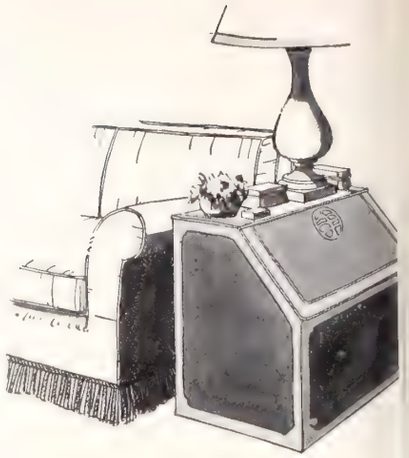
Our importations of Venetian Murano glass include exquisite stemware, glass vases, perfume bottles and boxes, aquaria, beakers, centerpieces and candlesticks. They are to be found in our showrooms, at leading shops and at our retail store, 342 Boylston Street, Boston. Write for our nearest dealer's name.

Carbone

348 CONGRESS STREET, BOSTON

NEW YORK
385 Madison Ave. at [illegible]

CHICAGO
[illegible] Michigan Ave.



A VIEW of the fireplace end of the Lawson couch, showing one of the pair of transformed tea canisters used as tables

House & Garden decorates a cottage

(CONTINUED FROM PAGE 53)

gaiety that the remainder of the work became a keen pleasure. Against the shiny white background that is so much in vogue today is an all-over pattern of green leaves and huge stalks that hold cabbage Roses. The yellow of the Roses dictated our ceiling color and that of the doors to the hall. All other woodwork has taken the white of the ground color.

Curtains were to have been of cherry-colored muslin, but having captured so much sunshine in our initial work, we juggled our budget to afford white organdy. These hang to the floor with six inches of goffered ruffles. Two widths of the organdy were sewed together for each side of the curtain. They then were placed one on the other and French headed together. This cut in half the labor of French heading each curtain. No rods are used; instead rings sewn at the back of each pleat hang over cup hooks.

The floor needed to be covered entirely, and as our budget would not permit carpet, the decision was given to old-fashioned matting. Friends discouraged us with tales of how dirt accumulated under it, but the salesman showed us that with the aid of the vacuum this is no longer true.

The fact that the room had no fireplace was a sad point. Finally a bright idea struck us. Nine-foot pine boards of varying widths were furred out from the center of an inside wall to give the effect of a board chimney breast. A Franklin stove was bought and stood upon tiles let into the floor in front of the paneling. At the back of the stove a hole was cut through for the stack and this connected to a small chimney that, fortunately, led up the partition between living room and kitchen. As a completing touch we brushed white calsomine over the pine boards, wiped this off and then waxed the entire surface to a lovely patine.

For mantel decoration we bought a plaster bust of Washington and set it upon a bracket painted a dull brown-black to give the effect of old basalt. At each side, lower down on the wall, is one of a pair of gilded wooden shelves that hold matching Chinese red lacquer bowls in which we planted Narcissus. To help the brass finials on the Franklin stove, a set of brass fire tools were hung on the paneling.

Our background now complete, we began to decorate the walls. Large sheets of mirror framed in bam were hung on either side of the p paneling. The bamboo we washed c with calsomine to soften the c down to that of the pine. These la mirrors at once made the room app wider, which helped greatly as it so much longer than it is wide. On wall between the windows, an elec clock mounted on a round disc ished in brown-black with gold li sets the time for the commuter's c

We found some lovely three-c candle sconces of shiny brass for wall opposite the mirrors. The flection of these in the mirrors give delightful illusion. Between them, the same wall, is a hanging booksh also finished in soft brown-black w gold stripes. The shelves are pain cherry color. For the spaces at eit side of the hall door we used bird p tures as close to the old Audubons our budget would allow. Instead framing these, glass was placed o them and attached to the wood ba ing with crystal rosettes. The m treated in dark brown with a g band, gave definition against light wall. This completed the wa

The floor layout was the next pr lem. For the space directly bene the mirrors we procured large tw tiered tables to be used as the new paper and magazine racks so essent to a country house. The wood is giv a pickled finish, which means th white paint is brushed on, let s slightly and then wiped off, leaving soft, mellow tone. These we also u as serving tables, and they now h our best china, for this room is us for dining until the dining room ready for use. On the top tier of ea table is a large crystal fishbowl, whi can be filled with greens if goldf prove too expensive to feed.

Under the candle sconces, ha round consoles with one shelf f books are placed. The tops of th are painted black and the remain given the pickled finish. Upon th sit copies we had made of a charmi Victorian wire basket. Between t windows and out on the floor are table and four chairs to be used f cards or, temporarily, for dining. T table is covered in olive-green leath ette pulled tightly over the top a fastened underneath. The edges studded with large brass nailhea

(*Continued on page* 86)



CHEVROLET

DISCRIMINATING PEOPLE HAVE MADE THIS CAR THE VOGUE

It is a noteworthy fact that those fortunate people with good taste, and the means to gratify it, have singled out the new Chevrolet Six for their approval. The reasons are not difficult to find, for the new Chevrolet has everything they naturally insist upon in a personal car. Its Fisher bodies are so smartly styled and finished that they show to advantage even alongside expensive custom cars. Interiors have the charm that only fine, beautifully tailored upholsteries and modishly designed fittings can confer. Lounge-type seats, finger-touch adjustable driver's seat, quick, silent Synchro-Mesh gear-shifting combined with Free Wheeling, and easily-worked controls assure restful comfort and relaxation while driving. And the fast, smooth, and quiet six-cylinder engine brings you to the end of the longest journey without a hint of nervous fatigue. In fact, the more you think about it, the more logical it is that the new Chevrolet Six should become the vogue in smart personal transportation.

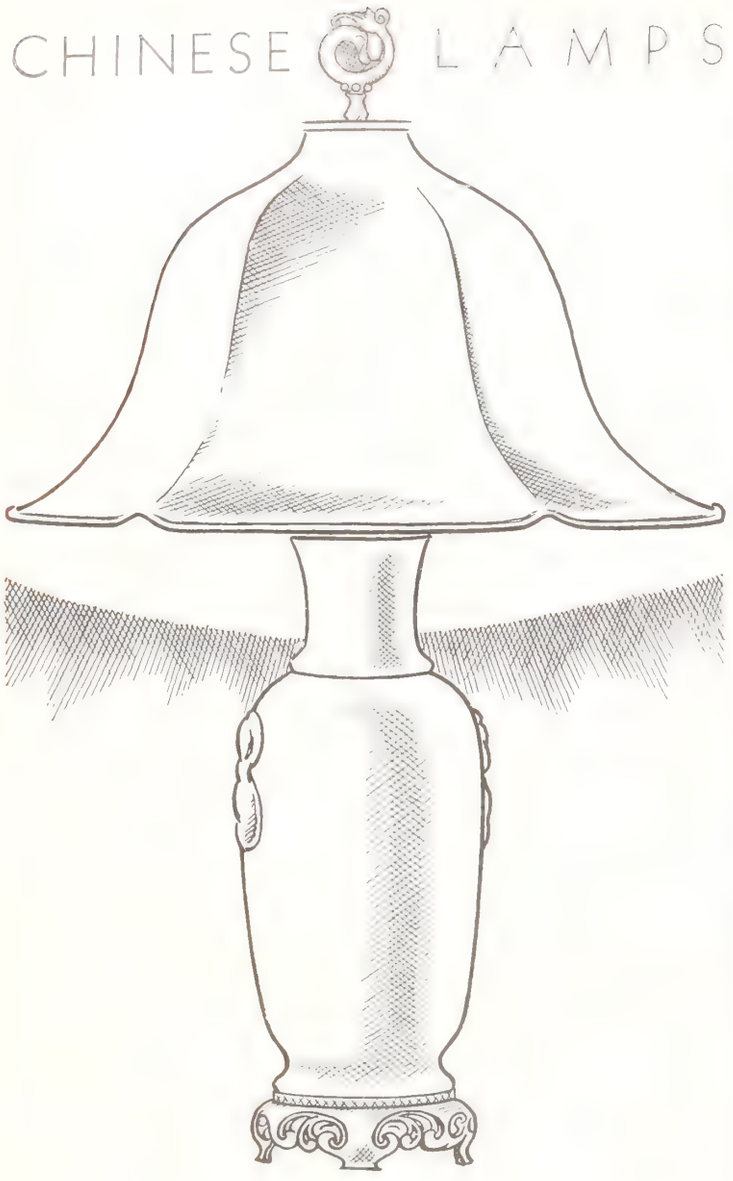
• • •

Twenty distinctive models priced as low as $[illegible] f. o. b. Flint, Michigan. Special equipment extra. Easy delivered prices and easy G. M. A. C. terms. Chevrolet Motor Co., Detroit, Michigan. Division of General Motors

NEW CHEVROLET SIX

THE GREAT AMERICAN VALUE

CHINESE LAMPS



In Pottery, Porcelain and Semi-precious Stones

A 16th Century soft paste pottery vase in warm, creamy tan, with an interesting crackle showing beneath its dull glaze; a cleverly designed silk shade to follow the flowing contour and subtle color of the vase. Together they form one of the many Yamanaka lamps, unusual for their originality of design, perfection of form and richness of coloring.

Outstanding among potteries are the rare, old Celadons, distinguished by the delicate gray-green tone which immediately marks their value. Five color porcelains, with their brilliant coloring and exotic decorations, appeal to the connoisseur.

Perhaps most prominent is the large display of semi-precious stone lamps which include translucent jade, chaste crystal, luxurious coral or one of the many others in amethyst, turquoise, carnelian or rose quartz. All are characterized by the delicate carving of Buddhistic deities, animals, birds and flowers.

Whatever your taste, you will find at Yamanaka's an interesting array—each unique, each different. Prices range from $20 to $2000.

Send for brochure, "Oriental Motif in Decoration" containing illustrations of Yamanaka objects and interesting comments on Oriental Art.

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CHICAGO BOSTON
LONDON BAR HARBOR

A house-to-house tour of France

(CONTINUED FROM PAGE 47)

Houses in rue de Caen, Lisieux; half-timber. Manoir Formeville, rue aux Fevres, Lisieux; half-timber. Manoir de la Salamandre, Lisieus; half-timber. Manoir Carrey, Lisieux; half-timber. Houses in rue aux Fevres, Lisieux; half-timber. Houses in rue aux Char, Lisieux; half-timber. Houses in Grand Rue, Lisieux; half-timber. Houses in rue de la Paix, Lisieux; half-timber. Houses in Place Victor Hugo, Lisieux; half-timber. Manoir de Coupesarte, nr. Château de Grandchamp; half-timber; about 16 km. S.W. fr. Lisieux. Manoir de Caudemonne, Pretreville; half-timber; about 10 km. S. fr. Lisieux. Old Manor, Glos; half-timber; nr. Lisieux. Manoir de la Masselinée, Saint-Martin-de-Mailloc; stone and half-timber; about 10 km. S. fr. Lisieux. Château d'Argouges, Vaux-sur-Aure, Marigny-Saint-Malo-de-Bayeux; stone. Manor House, Ussy.

RENAISSANCE: Château Rogue, Eaignard, nr. Lisieux. Château Victot; stone; 21 km. fr. Pont-l'Evêque. Château Mans, nr. Lisieux. Manoir between Falaise and Noron. Château Fumichon; stone and brick; between Lisieux and Pont-Andemer. Farm buildings, Château Brécy. Houses in Place Victor Hugo, Lisieux; half-timber. Château de Grandchamp; half-timber; 10 km. S.W. fr. Lisieux. Château du Mont de la Vigne, Montielle; brick and half-timber; nr. Caen. Manoir de la Pipardière, Iivarot; stone, brick and timber; about 13 km. S. fr. Lisieux. Manoir du Bois-du-Bais, nr. Cambremer; stone. Manoir de la Quaize, Villers-sours-Glos; half-timber; nr. Lisieux.

RENAISSANCE: Ferme du Coin, Mesnil-Mauger, nr. Monteille; stone and timber; about 16 km. S.W. fr. Lisieux. Manoir de Mathurins, Ouilly-le-Vicomte; stone, brick and timber, about 5 km. N.E. fr. Lisieux. Manoir Tordouet, Tordouet; stone, brick and timber. Only a few km. N.E. fr. Orbec. Manoir du Lieu Binet; stone, brick and timber; nr. Lisieux. Farmhouse, Château de Faurguernon; stone, brick and timber; about 6 km. N.E. fr. Lisieux.

RENAISSANCE: Château de Longpré, Saint-Pierre-Canivet; stone; nr. Falaise. Château Criqueville, nr. Dozulé; checkered stone and brick. Château Fontaine-Henry, valley of the Mue; stone. Château Hébertot, nr. Lisieux; stone. Château Ouilly-du-Houlley, Ouilly-du-Houlley; stone and brick; nr. Lisieux. Château de Lasson, nr. Caen; stone. Château de Lion, Haut-Lion; stone; nr. Caen. Château d'Outrelaise, Gouvix; stone; about 18 km. S. fr. Caen. Château de Saint-Germain-de-Livet, Saint-Germain-de-Livet; stone and brick; suburbs of Lisieux. House of Thomas Dunot, Saint-Pierre-sur-Dives; stone. Château Breuil-en-Auge, nr. Lisieux; stone. Château Hermival, nr. Lisieux; stone and brick. Château de Bouttemont, nr. Lisieux; stone and brick.

BAROQUE: Château Courtonne-le-Meudrac, nr. Lisieux; stone and brick. Château de Carel, Saint-Pierre-sur-Dives; stone. Manoir of Vasouy, nr. Honfleur; brick stuccoed. Manoir, Monteille. Château de Brécy, nr. Baueux; stone. Château le Pin. Château Balleroy, bet. Caen and Bayeux; stone and brick. Château d'Aubig nr. Falaise; stone. Château de F vaques, valley of Touques; sto Château d'Harcourt, valley of Ori stone. Château Juvigny-en-Bassin, Lisieux; stone. Château de Versa ville, nr. Falaise; stone.

NEO-CLASSIC: Château Mans, Lisieux. Château Bénouville; sto about 7 km. fr. Caen.

LA MANCHE

MEDIAEVAL: Château de Pir Pirou; stone; about 20 km. fr. C tances. Manoir Vains, nr. Avranch stone. Farmhouse nr. Avranch stone. Farmhouse nr. Avranches. C teau Gratot, nr. Coutances; stone.

RENAISSANCE: Château de Cani bet. Saint-Lô and Gavray; st and stucco. Château de Chantelo Chanteloup-en-Cotentin; stone; ab 15 km. fr. Coutances. Château Tourlaville; stone.

BAROQUE: Château de Flamanvil stone. Château de Fontenay, about km. fr. Mondelbourg, Cotentin; sto

ROCOCO: Château Saint-Pier Eglise, Saint-Pierre-Eglise; stone. C teau Torgny-sur-Vire; stone.

ORNE

MEDIAEVAL: Farmhouse nr. Châte Chaumont, Chaumont; stone a stucco. Château Chaumont, Chaumo Farm buildings bet. Laigle & Gl Château Gacé, Gacé. Dependenci Château at Laigle. Château Mortr

ILLE-AT-VILAINE

MEDIAEVAL: Château, Châteaugir

CÔTES-DU-NORD

MEDIAEVAL: Château Connina Dinan; stone. Stone Farmhou Laniscat.

BAROQUE: Château de la Mogla Abbey of Beauport, Paimpol; sto

FINISTÈRE

MEDIAEVAL: Le Manoir de Rouaz

BAROQUE: Manoir Jestin, nr. Bre

MORBIHAN

MEDIAEVAL: Farm buildings, Hennebont.

LOIRE-INTÉRIEURE

MEDIAEVAL: Manoir, Blain; ston Château de Blain, Blain; stone.

EURE-ET-LOIR

MEDIAEVAL: Farm Group, nr. N gent-le-Roi. Farmhouse, nr. Nogen le-Rotrou; stone.

SARTHE

RENAISSANCE: Maison Scarron, Mans. Château de la Flotte; stone.

MAINE-ET-LOIRE

RENAISSANCE: Maison de la Vout Angers; stone.

SOUTH OF PARIS

LOIRET

MEDIAEVAL: Château de Dunoi Beaugency; stone. Old cottages, Sain Ay, nr. Orléans. Small houses in t town, Beaugency; stone.

RENAISSANCE: House of Diane Poitiers, Orleans; stone. Maison Dunois, Beaugency; stone.

NEO-CLASSIC: Gentilhommiére, Sal lon; stucco.

RENAISSANCE: House of Agnes Sor

(Continued on page 80)



For a *Colonial* Bedroom . . . . Apple Green Carpet



Doesn't this lovely Claridge Carpet suggest the perfect answer to the problem of bedroom decoration? The ideal foundation for a Colonial room—maple furniture, cream woodwork, pale green walls, chintz chairs and curtains?

The nice thing about Claridge Wide Seamless Carpet is that it comes in twenty-one interesting colors. Which means you can put it in every room of your home—carrying out any decorative scheme you like, complementing your wall, drapery and upholstery color choices.

Claridge Wide Seamless Carpet may be had in widths up to 18 feet, cut to fit your floor from wall-to-wall or bound as a rug. A firm, deep pile and rich lustre (from fine-twist yarns) make it look expensive but it is very sensibly priced.

You may see Claridge and other of the 28 grades of Alexander Smith plain and figured carpets at leading decorators, department stores and furniture stores. Send coupon below and ten cents for interesting illustrated portfolio showing Claridge colors, together with Clara Dudley's authoritative suggestions for the use of Wide Seamless Carpet in decoration.

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For

A house-to-house tour of France

(CONTINUED FROM PAGE 78)

Orleans; stone.

BAROQUE: Château Sourdiere. Château nr. Millancay.

NEO-CLASSIC: Château de Mousseaux.

INDRE-ET-LOIRE

MEDIAEVAL: Farm buildings, Cormery; stone; 20 km. fr. Tours. Manoir Couture, nr. Reignac; stone; 16 km. fr. Loches. Château Roche, Cheillé; stone. Château Cormery, Cormery; stone. Château de Loches, Loches; stone. La Rabaterie, nr. Plessis-les-Tours; stone.

RENAISSANCE: Manoir of Vonne, nr. Artannes; stone.

SAÔNE-ET-LOIRE

MEDIAEVAL: Manor farm buildings, nr. Demigny. Château de Marigny, Fleurville; stone.

RENAISSANCE: Old Château, Fleurville. Maison des Templiers, Couches-les-Mines; stone.

BAROQUE: Hôtel d'Alligny, nr. Cathedral, Autun; stone. Manor farm of La Vesvre, nr. Autun; stone.

NEO-CLASSIC: Château de Charrèconduit, nr. Chalon, Chatenoy-le-Royal; stucco.

YONNE

MEDIAEVAL: Château de Saint-Morè, Nailly. Château Jacquot, Sainte-Magnance; stone.

CÔTE-D'OR

MEDIAEVAL: Old Château, Chissey-en-Morvan; stone. Remains of Château, Sennecy-le-Grand; stone.

BAROQUE: Château de Missery, Missery; stone. Château de la Prée, Chissey-en-Morvan; stucco.

GIRONDE

BAROQUE: Manoir, nr. Libourne. Château de Saint-Georges, Montagne.

VAR

MEDIAEVAL: Château, Saint-Cyr-sur-Mar.

BOUCHES-DU-RHONE

RENAISSANCE: Hunting Lodge of King René, Valabre; stone.

In the following towns are especially good examples of small and moderate-sized houses which largely follow the local and traditional manners of building; the same may be said of the smaller houses and cottages in the country around these towns.

SEINE-OISE: Versailles, Mantes, Houdan.

OISE: Beauvais, Clermont.

SEINE-INFÉRIEURE: Veules, Caudebec-en-Caux, Yvetot, Dieppe, Tôtes, Quièvercourt.

EURE: Bernay, Louviers, Le Neubourg, Beaumont-le-Roger, Damville Conches, Verneuil, Pont Audemer Evreux, Grand Andelys.

ORNE: Argentan, Laigle.

CALVADOS: Lisieux, Caen, Baye Orbec, Livarot, Pont-l'Evêque, H fleur, Falaise.

LA MANCHE: Savigny, Avranc Coutances, Pontorson.

ILLE-ET-VILAINE: Vitre, Dol, F geres, St. Malo, Rennes.

CÔTES-DU-NORD: Dinan, St. Bri Laniscat, Corlay, Glomel, St. Mic en-Grèves.

MORBIHAN: Josselin, Vannes, Au Ploermel, Hennebont, Muzillac.

FINISTÈRE: Morlaix, Brest, Do nenez, Quimper, Landerneau, Be Concarneau, Pont Aven, Saint-Pol-Léon, Roscoff.

LOIRE-INFÉRIEURE: Blain.

INDRE-ET-LOIRE: Chinon, Ingran Tours, Loches, Montresor, Luynes.

SARTHE: Le Mans, St. Satur Beaufay.

YONNE: Avallon, Joigny, Na Cussy-les-Forges.

CÔTE-D'OR: Dijon, Beaune, Ser Arnay-le-Duc, Missery, Sennecy-Grand, Chissey-en-Morvan.

SAONE - ET - LOIRE: Saint-Alb Fleurville, Autun, Couches-les-M Chalon, Brion, Demigny.

VAR: Saint Tropez, Le Cannet, lioules, Le Castellet.

BOUCHES-DU-RHÔNE: Puyric Arles, Tarascon, Saint-Gabriel, M tigues, Baux, Valabre.

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World Supremacy

A new regime in Madrid has not lessened Spanish appreciation of the luxury and distinction of Packard transportation. Packard cars in Spain outnumber those of every other fine American make. Among families of rank and prominence there, as throughout all the world, Packard is the favored fine car. Packard's world supremacy has long been an established and accepted fact.

The new Packard Light Eight is a strikingly handsome car. In appearance it belongs unmistakably to the distinguished Packard family. And, in addition, it is smartly new in its youthful grace of line and proportion—as is well illustrated by the popular Convertible Coupe below. ¶ When you first inspect the Packard Light Eight, you will be surprised at its size and roominess. It is a big and substantial car, with wheelbase of 128 inches. It is "light" only in comparison with other, larger cars of the Packard line—the Standard Eight, Eight DeLuxe and the new Twin Six. ¶ Richly appointed and upholstered, truly advanced in all mechanical features, the Packard Light Eight now offers the luxury of *fine car* transportation to motorists who have been accustomed to paying from $1500 to $2000 for their cars. For here is an eight—"Packard" in personality, prestige and performance—factory-priced at the astonishing range of $1750 to $1795. ¶ Before buying *any* car be sure to *see* and *drive* the Packard Light Eight. You will thrill to its velvety, 110 horsepower motor, its Silent Synchro-mesh Transmission, *quiet in all three speeds*, its simple, *safe* Finger Control Free-Wheeling. Why not take your old car to your Packard dealer today? He will allow you all that it is worth—and, if you wish to buy out of income, you will find the payments surprisingly small.

PACKARD *Ask the man who owns one*



THIS IS WHAT WE MEAN BY A

Custom-tailored CARPET



This room, an unusually harmonious and intelligent example of the popular French Provincial mode, was furnished and decorated by B. Altman & Co., New York. They also designed and supplied the seemingly seamless Collins & Aikman Carpet.

BEFORE Collins & Aikman Carpet was introduced, there was only one way to get a carpet with a special design for a special setting. That was to have it specially woven — and the cost was usually prohibitive. So you bought a ready-made rug in a stock design — or you bought old-fashioned plain-color carpet and had it sewed together. In neither case was the result individual or personal.

Now look at the color-photograph shown above. The floor of this French Provincial room, which was decorated and furnished by B. Altman & Company, is covered with Collins & Aikman Carpet. Notice the modest inlaid border of red, framing the fireplace. You see at once that this is an individualized touch; you know that the carpet was designed and intended for this particular room, just as a custom-tailored suit is made for one particular person.

Notice also that there are no unsightly stitched seams. Sections and inlaid designs are joined on the under-side by a new process. Collins & Aikman Carpet can be fitted around pillars or obstructions, into irregular corners, up staircases — and still be seemingly seamless. And the cost? *It sells at the economical price of the old-fashioned type of narrow-width carpet that had to be stitched together.*

With these versatile advantages, the Collins & Aikman idea really gives you a new way of thinking about carpets. And isn't it the most desirable way you ever heard of? Especially when you learn that Collins & Aikman Carpet has proved to be unusually durable — that it is exceptionally easy to clean — that stained or burned spots can be cut out and replaced without showing the seams where the joining is done.

We think you'll want to know more about this versatile floor-covering, so we recommend that you ask any of the leading stores or decorators who furnish Collins & Aikman Carpet — and write to us for our illustrated booklet. Collins & Aikman Corporation, 25 Madison Ave., New York

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These Triumphant New Studebakers stand out in every particular. They are longer, roomier, more luxurious. They have Automatic Ride Control—the last word in safe motoring. They have incomparably finer Free Wheeling plus new *fast-action* Synchronized Shifting and Automatic Starting. They have shatter-proof Safety Plate Glass in all windshields and all windows of all models *at no extra charge.* They have Full-Cushioned Power—and full armor-plated bodies. They still hold unchallenged all stock car records for all distances from 30,000 miles to 1 kilometer.

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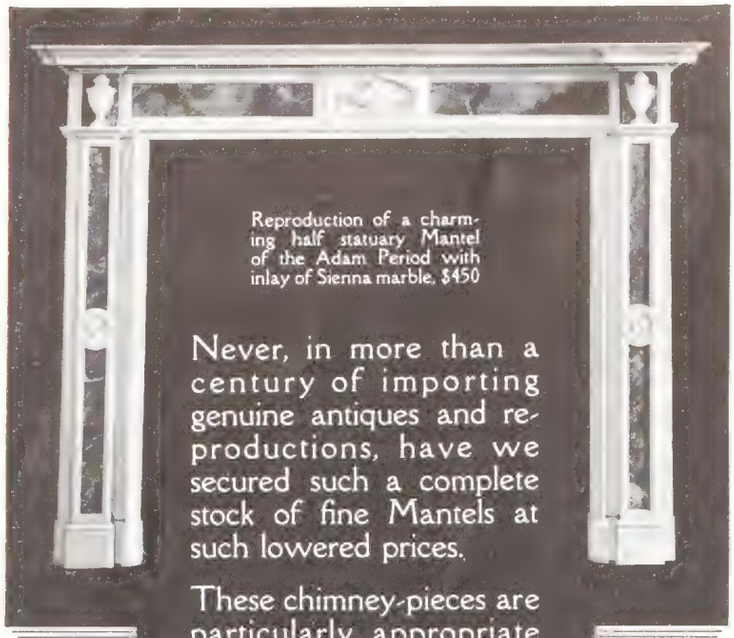
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New features for home building

(CONTINUED FROM PAGE 68)

arrangement here with provided in connection with the silencer and air filter at the sill, is said to reduce by 90 per cent noise which would reach the interior of the room.

The silencer-filter mechanism is enclosed in a metal cabinet, finished to match the trim. Snap of a switch will start operation of a small electric motor, and a fan will draw fresh air in from outdoors, passing it through a special filter mat so designed that 97 per cent of all dust, dirt and germs is said to be retained on its surface. The screen becomes matted with foreign particles in half a week's time, we are told, at which time it may be easily and quickly replaced. The motor, whose current consumption will approximate that of a 40-watt lamp, may be plugged into any convenience outlet. Operation is said to be noiseless, delivery of dustless, fresh air ranging up to 300 cubic feet a minute, depending upon the weather. Rate of air flow may be regulated as simply as volume of sound on a radio is adjusted, by turn of a knob. All fresh air is introduced through the silencer and air filter made by the Campbell Metal Window Corp., and the inner, supplementary window need only be opened if it is desired to close and lock the outer sash, when the house is to be left unoccupied.

STEEL STUDDING. Things of which partition walls are made have been improved and, we are told, the possibility of plaster cracks ruining decoration is much lowered. Steel studs have been introduced. Wire lath, applied to them, holds the plaster. The purpose of this construction is to eliminate the warping and shrinkage of structural members which damage plaster surfaces. Partition walls so built are highly fire-resistant.

Methods of attaching lath to steel framework have heretofore limited the use of this construction. The problem seems to be overcome in the wall building system recently announced by the National Steel Fabric Co., makers of the slender steel studs and the paper-backed, wire mesh lath of which the partitions are built. To expedite attachment of the lath, short wires are welded to the steel studs at close intervals at either side along their entire length. They project like a series of prongs.

After the studs are set, the paper-backed ribbed lath is pressed against the ends of the wire prongs. The wires which pierce the paper are twisted around metal strands of the lath and hold it firmly in position. Saving in labor on this one item alone is said to materially reduce costs of installation. A subsequent coat of plaster will bond tying wires and reinforcing lath into a monolithic slab which, it is declared, will stand through the years with no expense for repairs.

CARRIER CONTROL CURRENT. Since it has become possible to send two or more currents of electricity over one wire at the same time, it may soon become unnecessary for the householder to go to the exertion of snapping on the lights when dusk sets in. This and other tasks may be performed by automatic or manual operation from a central power station when so desi while not taking control away fr the owner. Carrier currents are alre being employed to start and s motors, to turn street lights on off, to regulate supply of electric c rent to heating elements in dome water heaters and electric heating un

The control currents travel in c rier waves, which are said to be si lar in character to radio waves. large number of them may be impo upon the same wire that is tra mitting heavy duty current, we are formed by the General Electric without apparent interference or dence of crowding. With no p wires or additional wire circuits fr central station to the home, it is p sible by use of this type of current control a multitude of motorized equ ments in houses scattered over all pa of the city or town. A man in central station will simply press a b ton, or automatic regulation may arranged. The current will go forth designated destinations, and am other things will open up drafts heating boilers, will light up chick houses, ring alarm clocks, start radio for those setting up exerci etc. No large investment for equipm is required to make use of control carrier current, and power is consum only during the brief intervals t controllers are being opened or clos

STEEL NAILER JOIST. Recent a nouncement of a steel joist, to the t of which a wood nailing strip is rigi fastened, increases the opportunity use of this type joist with wood flo ing in residential construction. A sence of shrinkage and the rigidity steel framing with its lack of vibrati are credited with greatly reducing ha ards to plaster of partition walls a ceilings. The joists, made by t Truscon Steel Co., are readily install on any masonry exterior wall. Th are uniformly spaced to provide proj support for the rough wood floor la down over them. The floor is tho oughly spiked to the wood strip. A type of finished wood, rubber, linoleum floor may be applied over t construction.

UNIT INSULATION. Three inch of insulation at the price of one claimed for the latest type of ro wool, delivered to any new building readily handled units, termed bat Shaped to completely fill spaces b tween wood studs in exterior walls new frame structures, bats may be rapidly placed that labor cost is r ported to be greatly reduced. The m terial is not affected by fire and vermin proof.

The product is introduced by John Manville Co. to supplement the pne matically installed insulation for u in houses already built. Bats are inches wide, 18 inches long and thr inches thick. Once in place, they snugly against studding, requiring n fastening to hold them, and the fibro nature of the rock wool closes all hor zontal joints between bats. Units ma be readily cut with saw or knife fit into places of special shape.

(Continued on page 84)

Gangway for a couple of Kids you know!

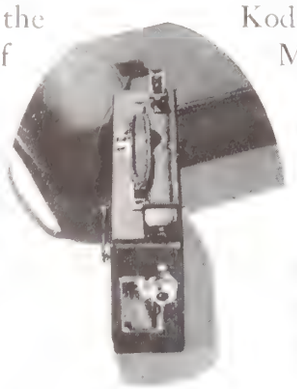


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Keep a movie record of the years that can never be lived again

BEFORE you know it, that old wagon will be up in the attic . . . and they'll be away from home . . . But your Ciné-Kodak captures forever the glorious moments of those few short years of growing up.

Ciné-Kodak M, price $75, makes clear, sharp movies the first time you try. It's as easy as taking the simplest snapshot. No focusing. Aim the camera, press a lever. That's all there is to it. Kodascope projectors now reduced as low as $50. Many dealers offer easy terms. Eastman Kodak Company, Rochester, New York.



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EVERY home needs Kohler style, Kohler service, Kohler in-built quality. There is a vast and vital difference between first-grade plumbing and the common or bargain variety. Less than the best is never *good enough*.

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Improvements too! For example, the new Kohler line offers *matched sets* of fixtures and fittings, each piece and part designed to harmonize. Study the clean, crisp beauty of the Metropolitan set, for example. Note the agreement of flat surfaces, square corners and beveled edges. Note also the wide table-top edge on lavatory and bath for toilet articles.

Consult your plumbing dealer about Kohler products—compare the quality and compare the costs. And look for the Kohler mark on each part and piece before installing. It is your guarantee of pride, comfort *and safety* through the years. Mail the coupon today for a new booklet on modern home plumbing. . . . Kohler Co. *Founded* 1873. Kohler, Wis. Makers of Kohler Electric Plants.



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Please send me your Portfolio of [illegible] on *Modern Bathrooms*.

Name

Address

New features for home building

(CONTINUED FROM PAGE 82)

CELLULAR CONCRETE. Air cells are being introduced into poured concrete construction by addition of a special compound to the mix at the time it is poured in place. The new element, like yeast in bread, causes the mass to expand in volume, promoting a cellular condition which is said to make a resulting product that is light in weight, very soundproof and insulating. Installed as a rough floor slab in conjunction with light steel beams, and with pre-cast slabs of the same porosity used for partition blocks, this concrete, we are told, makes possible a fireproof and soundproof house at a moderate advance over the cost of non-fireproof construction. According to the Aerocrete Corporation of America, whose compound is used, variation in amount of the ingredient used will affect size and number of air cells, and by this means the weight of the finished concrete may be adjusted to meet any conditions. Methods of mixing and placing are similar to those for ordinary concrete.

STEEL CURBING. Strips of spring steel, used as curbing in gardens and for walks and drives, are easily and quickly installed in any location about the property. They are bolted to steel stakes driven into the ground, and are equally adaptable to formal and to informal landscaping. Geometrical designs of rectangular or circular shape are easily arranged. Graceful, sweeping curves may be achieved. Sod held by the curbing is protected from injury, while grass may be readily cut and trimmed. Lawn or flower beds may be set as much as three inches above or below the adjoining ground, in which case a coat of green paint will render the exposed steel of the curbing inconspicuous. This steel curbing is distributed by the Detroit Steel Products Co.

STEEL COVERED INSULATION. Use of rigid insulating boards, covered on each side with a thin sheet of steel, has recently been developed for the exterior walls of household garages and small structures of a similar nature. Weather-resisting qualities make the armored insulation ideal for locations directly exposed to the force of the elements, although it is as effective when used on the exterior for wall finish, hung ceilings, and radiator fronts among others.

Standard insulating boards of various makes are used for the inner core, to protect against passage of heat and to reduce sound transmission. The usual properties of the insulation are said to be enhanced by the steel covering which adds strength for better rigidity, provides increased fire-safety and greater permanence. Made available by the Truscon Steel Co. in either black, galvanized or furniture steel, the impervious outer surface is said to be well suited to various finishes. Sheets are sanitary and vermin proof, permitting no air infiltration. Standard connections are supplied with the board to form weatherproof joints which are likewise pleasing in appearance. The sheets are available in standard sizes up to four feet by twelve feet. Thickness may be varied from one-eighth inch to three inches, according to th material used for the core.

RUBBER TILE. Quiet, long wearin floors of resilient rubber, which blen ideally into the atmosphere of th home, are offered in many improve textural finishes of variegated marbl travertine stone and pottery tile. In stallation cost is low and its high qua ity of noise absorption makes it plea ant underfoot. The rubber tile is th product of the Goodyear Tire & Rub ber Co. Richness of unusual col finishes is said to make the floor satisfactory foundation for many in terior decorative schemes. It is su gested that wide contrasts be avoide in design and color of adjoining space although when walls are light, da tones make the most effective floo The flooring is easily installed an economically maintained, we are tol With reasonable care it has long li and ever-enduring freshness.

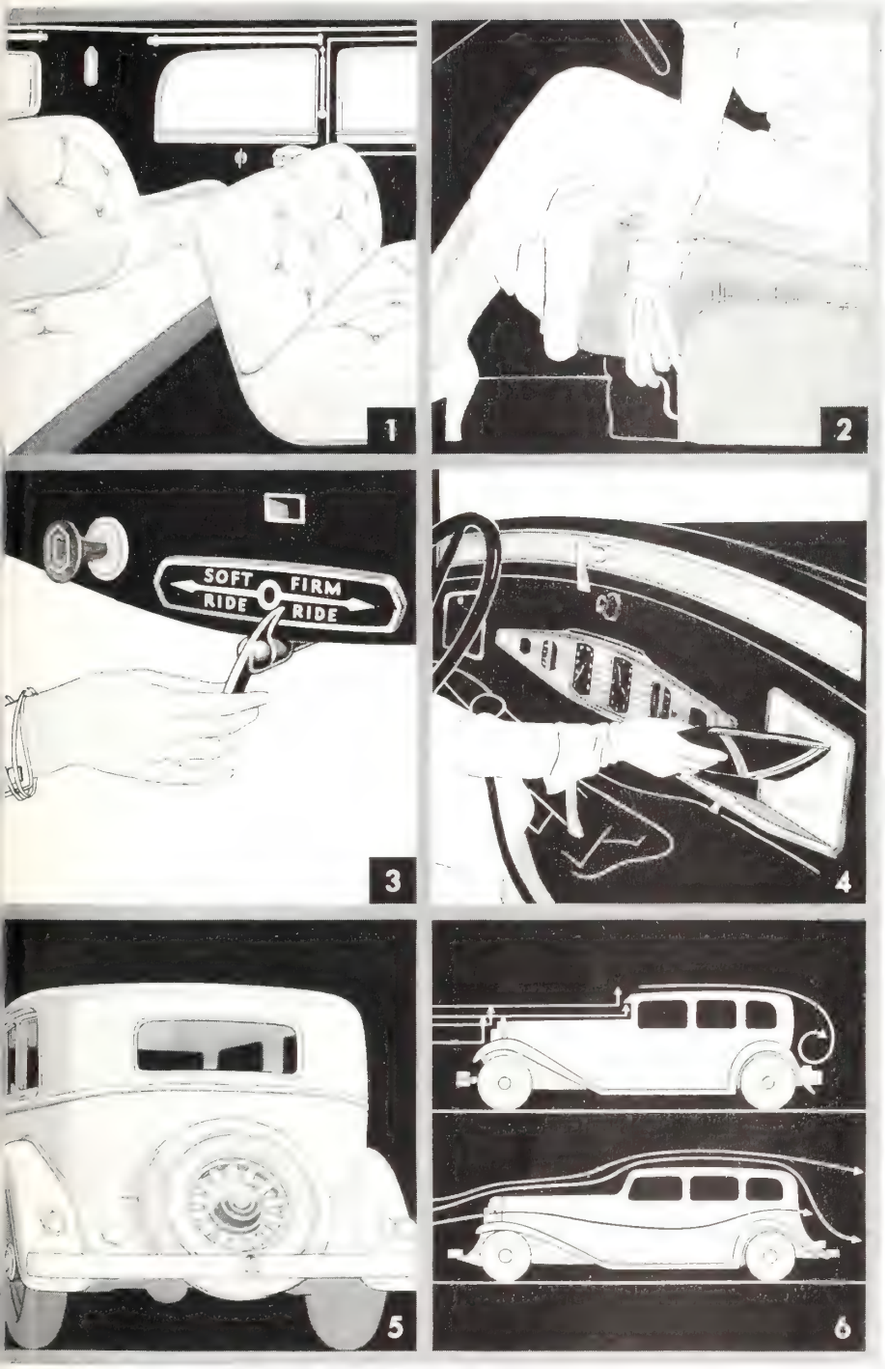
CONCEALED RADIATOR. Design to be built into a recess in the e terior wall, a new type radiator co sists of seamless copper tubes to whi flue units of the same metal are wel ed at uniform intervals. The pip through which the steam or hot wat from the heating boiler circulates, a oval in shape, which is said to add the efficiency of the heat output. Flu open at top and bottom, are spac sufficiently wide apart to be read cleaned of dust and dirt. The r diators are made by the Americ Radiator Co., which recommends th they be located in the exterior w below the window sill. Decorat grilles at the floor and below the promote movement of the air, draw in cold off the floor, pass it over t radiator, and release the heated into the room at sill height.

PLASTIC WALL FINISH. Deco tive finish for walls and ceilings whi applied in plastic form, will set wit three hours, be perfectly dry in hours, and in 48 hours harden to consistency of stone, is a product the field of decorative interior finish A composition of oil and cement, wa of this material are said to be was able, durable and economical. It off opportunity for a wide range of effe in imitation stone textures in histo and modern styles and in varied co blends.

Delivered ready mixed for inst application, a single coat applied wood, metal, brown or white plas stone, brick, any type of wall boa glass, tile or old painted walls is s to be sufficient to produce any desi finish. Work may be completed on day it is started, with no objectiona odor to annoy occupants of the hou according to the Stonetone Co., ma facturers. Completed surfaces wh dry are said to be impervious to pe tration of dirt, ink spots or fin marks, which may be removed fr such surfaces with plain soap water. Ordinary impacts will not ha the flexible coating, nor will vivid colors lose brilliancy.

HUMIDIFIER. Automatic adj ment of the amount of water supp

(*Continued on page* 86)



A GUIDE TO FINER MOTORING

GIVE thought to the fitness and perfection of your motor car, the same thought you give to the charm of your home and its surroundings.

Length in the wheelbase of a car is important for comfortable riding, and the new Nash cars, just announced, have it in generous measure. They are longer, indeed, than cars sold a few years ago at twice their prices. Another Nash aid to riding ease is Ride Control, with a dash regulator and *full-range* action, which makes good roads out of the worst.

Quietness in a motor car is also extremely important, and these new Nash motor cars are strikingly engineered for unobtrusive performance. All Ambassador, Advanced, and Special Eights have the new *Silent* Underslung Worm Drive. And automatic centralized chassis lubrication which keeps chassis bearings and spring shackles constantly bathed in silencing oil. All models have a *completely* sound-proofed body. All have dual exhaust silencers, instead of the old-fashioned muffler. All have *Silent* Synchro-Shift gear selection and *Silent* Second. And the new, super-rigid X-Dual frame, which resists distortion and prevents squeaks and rattles.

Style, also, is quite necessary, if you think of a car as more than a mere means of getting about. Here is the very smartest thing in body lines, the "Slip-Stream" profile, with V-radiator, slanting windshield and "Beavertail" back. Nash Underslung Worm Drive models are nearly three inches lower, with no change in head room or road clearance.

Before you buy your new car, send for the Nash catalog. Or ask your Nash dealer for it. It is a guide to perfection in every detail of motoring.

NEW NASH

BIG SIX
Hundred-inch Wheelbase
$[illegible] to $[illegible]

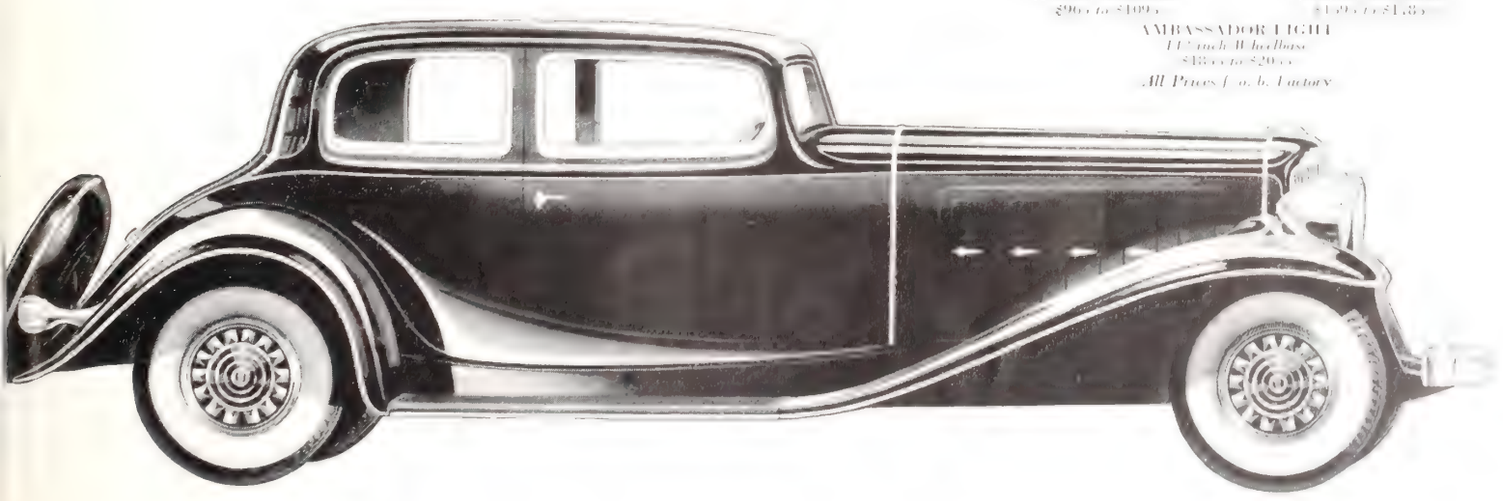
SPECIAL EIGHT
120-inch Wheelbase
$1250 to $1390

STANDARD EIGHT
124-inch Wheelbase
$[illegible] to $[illegible]

ADVANCED EIGHT
134-inch Wheelbase
$1495 to $1835

AMBASSADOR EIGHT
142-inch Wheelbase
$[illegible] to $[illegible]

All Prices f. o. b. Factory



The above illustration six features of the new sh cars are shown. 1. Luxurious interior of Advanced Eight Victoria illustrated below. Finger-tip driving seat adjustment. 3. Dash-justed, Full-Range Ride Control. 4. Two glove and parcel compartments on instrument board. 5. "Beavertail" back. 6. Comparison of effect of wind resistance on flat surfaced radiator, windshield and conventional rear end with *completely* Slip-Streamed Nash body lines.

BIG BARGAINS in Bulbs!

if you order NOW!



Add your *import order* to ours NOW and get the pick of the crop—the finest Bulbs in Holland at the extraordinary price concessions offered by the growers for early orders. In addition you save extra packing, shipping and handling charges. Pay on delivery in September, if you wish, but be sure to ORDER NOW!

FANTASY!

Unrivaled Queen of Tulipdom! (as shown above)

The glow of a great burning coal within a cup of [illegible] pink, held high on arrow-like stems. Ruffled fringy petals, crisped with touches of flesh young green. An arresting blend of informality and dignified grace, leading the aristocracy of next Spring's garden, filling the vases in the house with unmatched loveliness. Such is Fantasy, supreme in that outstanding group, the Parrot Tulips.

$3.00 [illegible] $18.00 [illegible]

Extraordinary Offer!

100 DARWIN TULIPS $3

Choicest, first-size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest named varieties, not at all like ordinary field-grown mixture usually sold.

A $7.00 value for only $3.00

8 GLORIOUS COLLECTIONS

Tulips! Hyacinths! Narcissi! Crocus!

100 Darwin Tulips in [illegible] flowers in late April to May and June $3.50

100 Cottage Tulips in [illegible] Tulips of graceful form [illegible] May and June 4.00

100 Breeder or Art Tulips in [illegible] tints, like Dreamy [illegible] Bronze Bell Opaline, etc. May and June 4.50

100 Bedding Hyacinths in 4 colors 6.00

100 Named Hyacinths, [illegible] 8.00

100 Tulips in [illegible] curiously twisted petals 6.50

100 Daffodils and Narcissi for naturalizing and lawn planting. Our Old Dominion Collection in [illegible] All [illegible] bulbs [illegible] 5.00

100 Crocus in 5 named varieties, 1st size bulbs 2.50

MADONNA LILIES

To Glorify June Gardens



Our bulbs are selected from the choicest collection in France—stalks 4 to 5 feet tall, often 10 to 15 magnificent blooms on a single stem.

At these low import prices bulbs must be ordered **now.** They will be delivered to you ready for planting next September.

IMPORT PRICES

Jumbo Size—Extremely large picked bulbs for unusual results (supply limited).

50c each $5.00 a dozen

Regular Mammoth Bulbs

$3.00 a dozen $22.00 per hundred

200 HERALDS OF SPRING $6.00

Lovely Spring Beauties—the following 8 Named Varieties 25 bulbs of each

[illegible] (Scilla Nutans)—Winter Aconites

NOTE *Prices quoted are good till July 31st. No [illegible] send the [illegible] discount.*

Send for our IMPORT BULB LIST. Complete listings of many other desirable bulbs at special import prices! Ready Now! Free on request!

ALL PRICES INCLUDE DELIVERY!

Schling's Bulbs

MAX SCHLING SEEDSMEN, Inc.

Madison Ave. at 59th St New York City

New features for home building

(CONTINUED FROM PAGE 84)

to a humidifier, recently announced, is said to ensure constant humidity of proper percentage throughout the house. The regulating medium is attached to one side of the unit. Sensitive to the proper amount of moisture which should be present in the air, it maintains any desired relative humidity for which it is set. Operation is simple; whenever air becomes dry water is caused to gently spread over several heating surfaces and is evaporated therefrom. Moistened warm air diffuses into the atmosphere and pervades the entire house. One unit of this type automatically supplies the right amount of moisture to every room in a house of moderate size. The humidifier, manufactured by the American Radiator Co., is encased in a sturdy cabinet of non-corrosive aluminum, finished in fine grained walnut or mahogany or with special finish if desired. There is one type especially designed for houses heated by steam and a second for use with hot water heating plants.

VENTILATING DOOR. An in[illegible]tion in design for the entrance [illegible] service doors of the house is fou[illegible] in a door equipped with sliding p[illegible]els in top and bottom portions. Ava[illegible]h in wood or metal and in several s[illegible]es including flush surfaces, the [illegible] makes it possible to provide ve[illegible]l tion in the house while the do[illegible]it self is kept locked. The upper [illegible] lower movable panels are inde[illegible]nd ently adjustable, with separate o[illegible]e ing handles on the inside which [illegible] them into a housing in the c[illegible] portion of the door. Panels [illegible] closed are said to cover the ope[illegible]s firmly and give the appearance [illegible] a solid door. Either panel may b[illegible]d justed to leave an opening v[illegible]ng from one inch to 16 inches in h[illegible] They are said to automatically l[illegible] i the position in which left, so tha[illegible] cannot be forced from the ou[illegible]de Copper insect screens are availa[illegible] to cover openings when desired. The [illegible] is a product of the Equipmen[illegible] Supply Co., Inc.

House & Garden decorates a cottage

(CONTINUED FROM PAGE 76)

Chairs have the pickled finish, with seats covered in cherry and white striped oilcloth.

Below the hanging bookshelf is a table desk of the type with drawers that pull out from either side. This has been placed protruding from the wall so that it may be used by two people at one time. The base is finished in walnut and the top is covered in brown leatherette. On the desk stands a small canister lamp with a plain white parchment shade, the inside of which has been lightly washed in pink. A pair of bamboo armchairs serve the desk. These have the bamboo toned to match the other woods in the room. Cushions are in cherry muslin. A small bamboo bench finished like the chairs and with a slip pad of cherry muslin makes another seat at the end of the desk.

At one side of the Franklin stove we have placed a two-seated Lawson sofa; at the other side is a club chair. A tailored slip cover of ticking material striped in green, yellow and white is on the sofa. The chair is covered in yellow leatherette with white cordings.

The tables holding the lamps by sofa and chair are copies of old tea canisters, the tops made large enough to take a lamp, cigarette box and tray. The inside of one of these boxes holds firewood, while the other is used for a general storage place. They are painted cherry red, decorated with a gold band. Lamps are of wood painted white, and white parchment shades have the inner side washed in pink. A small hooked rug in front of the fire brings soft shades of cherry and yellow against a dark green background.

All furniture in this room was selected with the idea in mind that when, and if, the stocks and bonds left us by dear Carte Blanche come back to what we think of as n[illegible] we can shift and replace. For ins[illegible] the Franklin stove will go to the [illegible] room, the bamboo chairs to the [illegible] etc. But for the present and [illegible] some time in the future, we b[illegible] the room will remain as it is, [illegible] happily, we have grown to be [illegible] fond of it.

As a guide to those interest[illegible] in learning exactly how we balance our living room budget, the prices [illegible] the furniture and decorations [illegible] were as follows:

14 rolls wall paper at $2.50	
Organdy curtains, two pairs at $18	
Matting 30 yards at $1.00	
2 mirrors with bamboo frames at [illegible] ea.	
2 magazine racks at $30 ea.	
2 fish globes at $2.50	
1 card table with green leatherette top	
4 chairs for card table at $12	
Electric clock on painted disc	
2 three-candle wall brackets at $7.50 ea.	
1 hanging bookshelf	
2 console tables at $30 ea.	
2 wire baskets at $5 ea.	
1 canister lamp and shade	
2 bamboo armchairs with pads at $26.50 ea.	
1 bamboo bench	
Pad for bench	
1 two-seat Lawson sofa	
10 yards material at 60c per yd.	
1 club chair in yellow leatherette	
2 canister tables at $10.50	
2 wood turned lamp bases and shades	
Franklin stove	
Pair of andirons	
Set of brass fire tools	
Hooked rug	
Pair of bird prints	
Flat table desk	
Pine boards	
TOTAL	$

Note: This is the first of a ser[illegible] articles dealing with the decorat[illegible] rooms in a budget house. The [illegible] ment of the other rooms in this [illegible] will be described in subsequent [illegible] Information in regard to purchasi[illegible] furniture may be obtained by w[illegible] to House & Garden's Reader S[illegible]

A Garden Full of Dahlias for $3.75



Few flowers, whether used for garden decoration or principally for cut blooms to decorate the home, are as responsive to simple garden culture as our Modern Dahlia. It has made wonderful advancement in size of bloom, habit of growth and profuse blooming qualities.

This year, instead of a collection of unnamed varieties which we have been offering for a number of years, we are making a Special Offer of

10 Distinct Exhibition Dahlias for $3.75

—one tuber each of the following, *separately labelled*, which if bought individually would cost $7.50. *Sold in collections only*

ssador (*Cactus*)—A soft yellow, with salmon and pink shadings.

Vanderveer (*Decorative*)—Large blooms ly rose-pink.

s Larocco (*Decorative*)—One of the finest llow Decorative Dahlias.

Cowl (*Decorative*)—Deep, massive blooms zy buff and old-gold.

's Beacon (*Decorative*)—Chinese scarlet, n the reverse, giving a two-toned effect.

Jersey's Beauty (*Decorative*)—The finest true pink Decorative Dahlia.

Marmion (*Decorative*)—A beautiful flower of golden yellow, with bronze suffusion.

Mrs. I. deVer Warner (*Decorative*)—A refined, deep mauve-pink.

Sagamore (*Decorative*)—A light apricot-buff, shaded orange-buff toward center.

Treasure Island (*Decorative*)—A true apricot, with rose suffusion.

rder Your Tubers Now and plant after the middle of May or when all danger of s past. *Cultural instructions in each package.*

Our Seed Annual contains a list of the finest varieties

Stumpp & Walter Co

nch Stores:
Plains, N.Y.
ford, Conn.

132-138 Church Street
NEW YORK

Branch Stores:
Newark, N. J.
Englewood, N. J.
Hempstead, L. I.

Rare Old-Fashioned Plants for Modern Gardens

NEW outdoor plants are constantly being originated and popular varieties improved. Lovers of old fashioned gardens will take great delight in our wonderful collection of Heucheras and Christmas Roses (see picture), Lilies, Peonies, Asters, Delphiniums, Chrysanthemums, and many others, among which the Giant-flowered Marshmallows seem to have gained the greatest popularity.



Hardy Herbaceous Plants

our special catalogue, presents many new and rare hardy plants that have not as yet found a place in current literature and catalogues. All these plants are offered at reasonably low prices in this catalogue, a copy of which will be mailed on request to all points east of the Rocky Mountains (west of the Rockies please send 50 cts. for catalogue).

BOBBINK & ATKINS

Worlds Choicest Nursery & Greenhouse Products Grown In America

Rutherford New Jersey

The Aristocrats of the Rose Garden

the Dreer "Gold Medal Dozen"

Here is a collection for the more sophisticated rose lovers . . . those who want the finest of the newer varieties to make their gardens both glorious and modern. Dreer roses have beautified America's country homes for generations and the Gold Medal Dozen is a perfectly balanced assortment. It includes:

Caledonia, Charles P. Kilham, Duchess of Atholl, E. G. Hill, Impress, Lucie Marie, Margaret McGredy, McGredy's Scarlet, Mevrouw G. A. Van Rossem, Mme. Nicolas Aussel, Mrs. John Bell and President Hoover.

One strong two-year-old plant of each of the above roses, $15 for the dozen, or assortment of 100 plants, $115.

***Dreer's Garden Book* sent free on request to those interested in roses, vegetable and flower seeds, perennial plants, etc.**

HENRY A. DREER

Dept. K **1306 Spring Garden Street**
PHILADELPHIA, PA.

DREER'S

DRICONURE — Dehydrated Cow Manure and PEAT MOSS — TRADE MARK REG. U.S. PAT. OFF.

An Unusually Effective Fertilizer

FLOWERS, shrubs, trees and grass are living organisms—they breathe, they have a real system of circulation, they assimilate food. But, like humans, their diet must be right. More than anything else they need constant, *natural* feedings. And this is how Driconure differs from other fertilizers.

Driconure furnishes an almost inexhaustible cupboard of food—rich cow manure, concentrated to many times the value of common barnyard manure—in which the always hungry roots can find a goodly food supply. There is no waste . . . no food leaching away. It is always ready—day and night—month after month, cooperating most efficiently to supply roots with a slow but *constant* supply from which they can absorb nourishment. Then too, Driconure is a fine fertilizer that holds moisture in the soil to dissolve plant food and make it available. Keeps plants healthy and vigorous—and in the best of bloom all season. Meet this modern garden Genii—the wonder worker among garden fertilizers. Available at most stores where garden supplies are sold, in 5-lb. packages and 3½-bushel bags. 5-lb. trial package sent postpaid to your door for 65 cents.



Atkins & Durbrow, Inc., 165-0 John St., New York

The most for your money-Best for your plants

THE GARDEN MART

BOOKS and PERIODICALS

THE GARDENERS' CHRONICLE. [illegible] useful timely information. Contributors to the Gardeners' Chronicle are men and women of experience, [illegible] Their advice is presented in a distinctive way that makes it a pleasure to read. Send 25c for the current issue and see for yourself how good it is. A [illegible] Chronicle, 224 E. 19th Avenue, New York City.

BULBS

RAREST BULB SEEDS. Unusual and "hard to [illegible] Rex. D. Pearce, Merchantville, N. J.

DAHLIAS

FIVE DAHLIA PLANTS Everyone Should Have. Jersey Beauty, pink; Mrs. [illegible]; Sagamore, yellow; Jersey's Beacon, Chinese [illegible], potted plant of each of these five varieties, packed to reach you in perfect condition, postpaid for $1.50; write for complete list of garden material. Tapscott-Florist, Owensboro, Ky.

DAHLIA COLLECTIONS all labelled, 4 specials, 6 extra large or 10 large. Each collection $1.00 Postpaid. Warren E. Sooy, Ninth St., (between 3rd & 2nd R.R.) Hammonton, N. J.

DAHLIAS; 8 large Exhibition named, Postp'd. $1.00. Ladoga Dahlia Farm, R5, Bloomington, Indiana.

DELPHINIUMS

PRIZE WINNING, proven leaders of America—new [illegible] Cup winners Gold Medal at New York. 2 yr. old field grown plants $11 doz. Catalog in colors on request. W. C. Dickmann, Box H, Marion, N. J.

DELPHINIUM WREXHAM HYBRIDS. Well established little plants from 2½" pots, will bloom this year, postpaid for $2.00 per dozen. Satisfaction guaranteed. Tapscott Floral, Owensboro, Ky.

FERTILIZERS

AMAWALK TREE FOOD is a perfectly balanced ration containing all the elements necessary for proper feeding of all woody plants. Its blend of strength and utility is the result of fifteen years of research by the largest big tree nursery in America. After an application, it continues to be [illegible] season. Descriptive folder on request. Amawalk Nurseries, Amawalk, New York.

TURN WASTE INTO WEALTH. Convert every bit of vegetable rubbish, leaves, weeds, stalks, etc. from the garden, straw and cornstalks from the farm—into real manure (best of fertilizers) without animals by the simple Adco process. You owe it to yourself to know how to make artificial manure. Interesting booklet free. Adco, 1749 Linden St., Allentown, Pa.

ROTTED COW MANURE Shredded $15. ton. Poultry Manure, Fertilizer, Humus, Soot, Sprays, Millstones. List free. Allen Co., Pittstown, N. J.

FLOWERING SHRUBS

TREE-SHAPED WISTERIA. Grafted from true-to-color blooming plants. Double Pink and Double Violet the "pick of the lot". Pictured and priced [illegible] for free copy. A. M. Leonard & Son, 611 Wood St., Piqua, Ohio.

GOLDEN CHAIN. The loveliest yellow spring-flowering shrub; looks like a "pile of gold", but costs much less. Our free booklet "Worthwhile Flowering Shrubs" presents a score or more of rare shrubs—write today for a copy. A. M. Leonard & Son, 611 Wood St., Piqua, Ohio.

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DUFF PEAR. Blooms equal Jap. Cherry in beauty. Fruit large, good quality, sugar-sweet, medium late. A limited quantity of hardy blight-resistant 2-year-old trees, at special low prices. Write for booklet "Worthwhile Shrubs and Trees". A. M. Leonard & Son, 611 Wood St., Piqua, Ohio.

GLADIOLUS

NOT OVER 15 CENTS for large bulbs of varieties introduced a few years ago at $100.00 each. Write for list. Perrin, 761 Alberta St., Portland, Ore.

IRIS

125 IRISES FOR $5.00. 125 unnamed Williamson seedlings of blooming size (in not less than 50 varieties) for $5.00. Early June shipment only. Specify "Lot A". Also ask for catalog of new and standard varieties. Longfield Iris Farm, 407 Market Street, Bluffton, Indiana.

FREE IRIS HAMADAN (rare pogo-cyclus hybrid) given with following $1 rainbow collection: Wedgewood, Lady Bountiful, Theseus, Odette Olivet, Mary Gibson, Conchobar, Morning Splendor. Priced $5 last season. Send for our catalog. National Iris Gardens, Bryan, Ohio or Beaverton, Oregon.

NEW IRISES—Easter morn (Essig), Duart, (Ayres), Escamillo (Morrison), Dauntless (Connell), Altiora (Bliss), Purple East (Sturtevant) and many others. Send for catalogue. The Glen Road Iris Gardens, Wellesley Farms, Mass.

8 NEW SIBERIAN IRIS—$2.75 postpaid. Unexcelled for cutting or garden decoration. Send for list of 125 better Iris reduced for spring planting. Should bloom this year. Kenwood Iris Gardens, R. R. 10, Cincinnati, Ohio.

LANDSCAPE SERVICE

SPECIALIST in ROCK GARDENS & Outdoor [illegible] Nurseries, Inc., Allendale, New Jersey.

MISCELLANEOUS

6 UNUSUAL HOUSE PLANTS IN POTS: 1 Maranta Zebrina, 1 English Ivy, 1 English Ivy Variegated, 1 Crassula Arborescens, 1 Sansevieria Zeylanica, 1 Sedum Sieboldi. Prepaid $3.50. Ivar Ringdahl, Florist, Rome, N. Y.

CACTI AND SUCCULENTS seedlings and specimen plants. List on request. Sexton Gardens, R [illegible]

CALIFORNIA SUNSHINE GERANIUMS. Finest collection, 25 varieties $3.00, collection of 50 varieties [illegible] Plant Co., Oceanside, Cal.

PEONIES

"HOW TO GROW PEONIES." A new, delightful book which you should read before ordering peonies. Full of practical information & illustrations. Send 10c for your copy. Mohican Peony Gardens, West Lawn, Pa.

WONDERFUL PEONY Kelway's Giant $5; 8 Different Lilies $3.50, Different Glads $1. Catalog. [illegible]

PERENNIALS

"ROSINA". New Hardy Garden Violet. Lovely soft pink; extremely fragrant. Award of Commendation N. Y. Hort. Soc. 1931. Plants: 12 for $5; 100 for $35. Amy Hore, grower of hardy perennials. Green Brook Gardens, Scotch Plains, N. J.

HARDY PLANTS FOR THE HOME GARDEN. Attractive and interesting catalog of Perennials, Wild Flowers and Rock Garden plants free. W. A. Toole of Garry-nee-Dule, Baraboo, Wisconsin.

ROCK GARDEN PLANTS

LARGEST COLLECTION of rare Alpines in the [illegible] Rock bottom [illegible] Catalog free. Wolcotts Limited, Jackson, Mich.

PHLOX SUBULATA (Moss or Mountain Pink) White, Lavender, Pink. $2.00 dozen prepaid. Ivar Ringdahl, Florist, Rome, N. Y.

SEDUMS. Sempervivums. Alpines. Descriptive hardy plant catalog. Westeroft Gardens, Grosse Ile, Mich.

ROSES

"STAR" ROSES—GUARANTEED TO BLOOM! The quality product of Rose Specialists with 35 years experience. When you plant "Star" Roses success is assured. Every "Star" Rose is trademarked. Send for Catalog. The Conard-Pyle Co., West Grove 224, Pa.

NEW DAWN, the American Dooryard Rose. Everblooming, hardy, vigorous, grows most anywhere. Famous as first patented plant. $2.00 each. Somerset Rose Nursery, Box 315 A, New Brunswick, N. J.

TOOLS

GARDEN TOOLS of [illegible] catalog free. A. M. Leonard & Son, Piqua, Ohio.

TREES & SHRUBS

JAPANESE FLOWERING CHERRIES—Special offer for Spring planting, 5 two-year trees $10.00, and 5 three-year trees, $15.00, express prepaid. Send for new book of America's finest collection of Flowering Trees. Our stock is Government Inspected and Certified. A. E. Wohlert, 921 Montg. Ave., Penn Valley, Narberth, Pa.

HARDY HYBRID NUT TREES. All the best of the sensational new varieties of Hickories, Northern Pecans, Black and hardy English Walnuts, new Blight-resistant Chestnuts. Limited supply. Write for complete literature. Kelsey Nursery Service, 50 Church, New York City.

CHOICEST EVERGREENS in wide variety now ready for delivery. Full satisfaction guaranteed. Henry Hicks & Son, Westbury, Long Island, N. Y.

EVERGREENS, ornamental shrubs & trees. Catalog free. Fairview Evergreen Nrys., Fairview, Pa.

OLD BOXWOOD—Beautiful specimens & hedges. Photographs on request. E. L. Hall, Uncasville, Conn.

WATERLILIES

RARE TROPICAL WATER LILIES. [illegible] Plant Nursery, P. O. Box 986 T, New Orleans, La.

NYMPHEA ODORATA white waterlily, 50c each; [illegible]



Trim Your Hedges the Electric Way

"LITTLE WONDER"

REG. U. S. PAT. OFF.

HEDGE TRIMMER

light • sturdy • easy • gives a beautiful trim. Thousands in use. Write for literature. Distributors Wanted.

Detco Mfg. Co., Oaks, Pa.



SCALE map carried out in decorative fashion to show the location of Mr. Chrysler's hunting lodge and estate, and the various points of interest in the vicinity

A lodge on the Little Choptank

(CONTINUED FROM PAGE 44)

course of years when Mr. Chrysler was becoming more and more busy with the affairs of his organization and with the burdens which were necessarily being relegated upon his shoulders, so it was at this time that he became interested in the desire to build a hunting lodge where he could get away week-ends during the open season, for complete relaxation and rest. For some time in the past he had been going down to Maryland with a party of friends, roughing it out in the open. He found that the air, the salt marsh and the pitch of wild duck were so exhilarating—so stimulating, that he finally purchased a piece of property and arranged for riparian rights for quite a distance down the bay for his duck blinds.

There were quite a number of old settlers on the property which was taken in with his parcel, but he declined to have them removed. Rather, a very satisfactory system was worked out whereby they could continue to live in their homes provided they keep on working their farms (and what Maryland farmer is known for *not* being industrious?) and see that the duck blinds were supplied with the dried grass from their fields.

The lodge itself he wanted to be extremely simple in design and executed with good taste, from barge board to crown molding. All details were tempered; profiles were purposely kept small in scale; even the surrounding shrubbery and that adjacent to the house were kept small, emphasizing the underlying motif of lowness and snugness. The interiors were designed in the same constrained manner, with the exception, I might say, of the main living room. Here, it seems, the architects were determined to create a room which would reflect comfort and solidity. In fact, the nostalgic urge to remain after once settling oneself in a deep, "cushiony" sofa, before the blazing logs, is something many [illegible] found hard to overcome. Its delightful intimacy is accentuated by a huge [illegible] place blocking up one complete end, while the crowning touch, huge [illegible] ing wagon-wheel chandeliers with [illegible] numerable electric sconces fastened to the rims, shed a soft glow over the whole. But the *pièce de résistance* never fails to catch one's eye, [illegible] huge Colonial musket, fully [illegible] long, supported on wooden pegs [illegible] rectly over the fireplace.

Age and authenticity are apparent everywhere. The old wagon-[illegible] taken from a farm wagon which had been lying out in the field; the [illegible] over the fireplace, from the fields [illegible] tions of the farmhouse which formerly occupied the site; huge oaken [illegible] with the marks of the adz showing, supporting the roof rafters and [illegible] tised and tenoned as of old; and [illegible] strands of manila rope entwined around the beams, which idea was fostered by Mr. Chrysler's eldest son, Walter Jr., who had observed a similar construction in some of the old Colonial houses up in Connecticut.

From the terrace outside of the living room there is approximately [illegible] feet of smooth lawn, until it terminates at the lapping shore of the Little Choptank, flowing casually to join the Chesapeake. The water here teems with aquatic life: terrapin, huge [illegible] all kinds of fish, oysters and jonquils (at certain seasons). Across the bay is Ragged Point, the summer home of Colonel William A. Starrett, while to our right lie the estates of the Du Ponts and John J. Raskob. They also have flying fields and make their trips via air, but Mr. Chrysler prefers to travel by rail and in his private car which makes up for what it lacks in speed by comfort. In the long [illegible]

(*Continued on page 92*)

Beware Of Smoker's Teeth





...OW DR. BŌST, CONDUCTING A SCIENTIFIC ...ESEARCH, DISCOVERED THE IDEAL TOOTH PASTE

...HERE is an accepted saying, old as the hills, that "smoking is bad for e teeth." It is like saying "eating is ...ad for the health."

Both have their effect on the teeth. ...ting certain foods has a discoloring ...ndency of one kind. Tobacco smoke ...as another. Millions of men and women ...refinement are enjoying their smoking, ...lecting tobaccos and blends with real ...scrimination.

It is distinctly a polite habit, and a ...othing one, of great comfort in these ...pid-moving days.

Dr. Wm. Dale Bōst, Doctor of Pharmacy ...d Pharmaceutical Chemist, who has ...hieved eminence in many lines, after ...scussing the matter with hundreds of ...nokers and manufacturers of cigarettes ...d cigars, determined to make a thor...ugh laboratory research, and com...ound, if possible, a tooth paste which ...ould cleanse and sweeten the mouth after smoking and quickly and surely remove tobacco as well as all other stains and films. There was definite need of such a dentifrice.

It must do this by the gentlest methods, without abrasives or acids which would work injury to enamel or mouth membranes. Such a work, carried out successfully, he was assured, would be a priceless boon to smokers.

Concluding his research, Dr. Bōst, discovered by exhaustive tests that he had been completely successful in producing:

(1) A tooth paste which would readily remove the stain of tobacco, or any other organic substance, and even many inorganic stains.

(2) A pure, wholesome tooth paste, free from any injurious ingredients whatever—a positive tooth preserver, beneficial to gums and membranes.

(3) A counteractant for mouth acids and a breath sweetener—an ideal mouth cleanser.

MAKE THIS STARTLING TEST!

Blow tobacco smoke through your handkerchief. It leaves a brown stain. Cover stain liberally with Bōst Tooth Paste, then brush it briskly, and—the stain disappears!

INTRODUCTORY OFFER

Send 10 cents for week's supply to Bōst, Inc., Dept. V, 9 East 40th Street, New York.

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MY DRUGGIST IS_____



Painting by Frank S. [illegible] at the home of Herbert J. R. Nott, noted financier of Cleveland

Copr. 1932, The D. T. E. Co., Inc.

Among prominent persons and institutions served by Davey Tree Surgeons are the following:

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Davey Tree Surgeons handle thousands of small orders

In 1931, Davey Tree Surgeons served as many clients as in 1930. Eighty per cent of these paid the Davey Company less than $100 each. While it is true that the list of clients includes most of the famous people in America and the larger estates, it is also true that a majority represents the average homes, and many institutions.

Davey Tree Surgeons live and work in your vicinity, within easy motoring distance of your home. There is no charge for traveling time, and no extras of any kind. You pay only for the actual service rendered on your property, plus the necessary materials.

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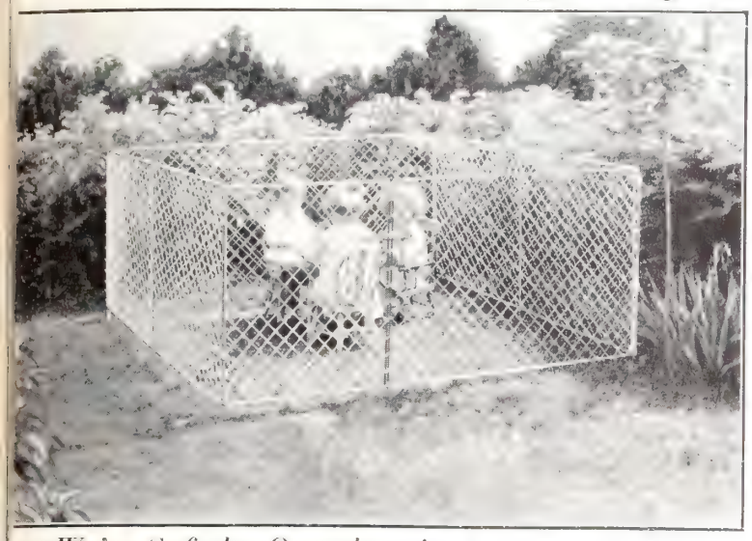
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Protect-a-Yard is easy to erect. It is built in sections, the pointed steel legs of which you push into the ground; then clip the adjoining section ends together. Protect-a-Yard is reasonably priced, too. Four sections and a gate, making a yard 7 feet square and 3 feet high, cost: only $16.00, F. O. B. Buffalo, N. Y. Send check, money order or N. Y. draft and your Protect-a-Yard will reach you in a few days.

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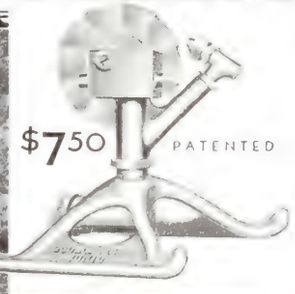
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et the Double Rotary Junior Sprinkler water our flowers, lawns and garden a gentle shower wherever needed . . . and save you time, trouble and water at the same time. Rain-like drops or mist spray sprinkled evenly and thoroughly without waste. Adjustable nozzle makes four sprinklers in one. Sprinkles with sufficient force to penetrate soil yet will not injure tenderest blossoms. Covers any circular area up to 80 ft. (more than 5,000 sq. ft.) or down to 15 ft. in diameter, according to pressure.

TRY 10 DAYS—If not satisfactory, return sprinkler and money will be refunded. Descriptive literature on request. (Dealers: Write for sales proposition.)

DOUBLE ROTARY SPRINKLER CO.
300 Coca Cola Bldg. Kansas City, Mo.

Heavy Duty Double Rotary

DOUBLE ROTARY
TRADE MARK REGISTERED
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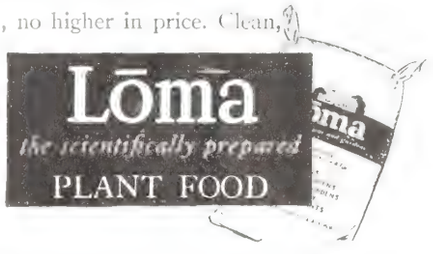


Earlier... Juicier..

4 times as Big!



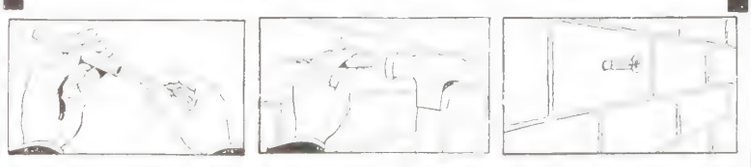
Even the gardener was surprised! Those Lōma-fed tomatoes were *weeks* ahead of the unfed ones! FLOWERS, too, burst into full-bloom beauty—earlier—with Lōma. And LAWNS—Lōma makes the grass grow thicker, sturdier, greener. Lōma is the perfect plant food—higher in quality, no higher in price. Clean, odorless, easy to use. Your dealer has Lōma—also the Lōma Spreader for large areas. Tennessee Corporation, 61 Broadway, New York.



Attach your Climbing Roses and Other Vines to Masonry or Wooden Surfaces with

VYN-TACH HOOKS

Illustrations Show How to Use in Masonry



1. Insert Hammer-Drill Point in Drill Holder.
2. Drill hole in masonry by hitting holder light-ly, twisting drill after each blow.
3. Insert expanding shell in hole until the top flange is flush with wall surface.



4. Drive nail, on which Vyn-Tach Hook is threaded, into the Dryvin Shell.
5. With the fingers, bend the hook around the axis of the vine.
6. Shows the Vyn-Tach Hook holding the vine securely in place.

For use in wood, see illustrations 4, 5 and 6. Use without shell—drive as ordinary nail.

$2 will give you a complete set of 25 Vyn-Tach Hooks and 25 Dryvin Shells, with drill, drill-holder and full instructions for installing in concrete, brick or stucco.

$1 is the cost of 25 Vyn-Tach Hooks for use on wooden surfaces.

If your seed or bulb merchant cannot supply you use coupon below.

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"The Most INTERESTING Exhibit at the Flower Show"



A SHADY CORNER . . . flanked by a cool little pool . . . a wall of rustic beauty, its tightly woven *chestnut* saplings shutting out prying eyes; forming a welcoming support for gay climbing roses and clinging vines . . . a gate giving a glimpse of an enchanting vista of garden . . . tulips in neat, cheerful parade against this fence's soft, warm brown.

This was the DUBOIS exhibit at the recent New York Flower Show, and it can be *your* outdoor living room this summer at very moderate cost.

DUBOIS *is made in France, from live-cut Chestnut saplings hand-split and bound with rust-proof copper wire. 6 heights with rustic gates. No other fence can be "just as good" as* DUBOIS—*so specify it* by name.

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Woven Wood Fence

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Please send me the illustrated catalog of "Dubois" views, price list and name of nearest dealer.

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City _____



AMONG the noteworthy species of Asiatic origin is A. hinodegiri, a bright scarlet with purplish evergreen leaves. This plant shows the characteristic low, broad habit of growth

Hardy Azaleas for garden color notes

(CONTINUED FROM PAGE 68)

Brilliant red, brilliant glowing orange-red that is most attractive.

The flowers of *Azalea mollis* X *chinensis* are long (about three of Azalea mollis. They have a more brilliant green and can be found more easily. Unfortunately they are not as hardy.

In Europe, particularly in England, *Azalea mollis* and *Azalea pontica* X *chinensis* are used in very large quantities for forcing. Covent Garden, the great London flower market, in the early spring or rather late winter is ablaze with them and at the Chelsea Flower Shows these Azaleas form one of the main attractions. In artificial light the vividness and brilliancy of the flowers are highly accentuated.

Very few *Azalea mollis* and *mollis* X *chinensis* are used for forcing in this country; they do not find buyers because the flowers, even when just opened, drop so easily. This is overcome in England by dropping, as soon as the flowers open, a tiny bit of gum in each flower by means of a can especially made for that purpose. This invisible drop of gum sticks the corolla to the stamens, preventing the flowers from dropping.

Louise Hunnewell is a hybrid obtained in this country. Its color is not better than the color of Azalea Anthony Koster but it is claimed to be hardier.

Why are all these Azaleas not planted in our gardens? If the proper varieties are chosen for the proper places and planted right, they will succeed. I have seen a couple of perfect plants in one of New York's suburbs, north of New York, ablaze with flowers every spring and admired by every visitor and passerby. When they fail in our gardens it is simply because they are not planted right. The plants, when they are set out, are without any leaves; they look like a shrub and they are planted like a Privet.

Azaleas will grow and flower if they are given a rich soil with which, if it is not naturally acid, should be mixed a liberal share of peatmoss; they require excellent drainage and a mulch of peatmoss or any other material which will keep the surface of the soil cool and moist. In the fall they should have a thorough watering before the winter sets in. As long as the plants are small, two-thirds of the flower buds must be broken out before

(*Continued on page 92*)



THE AZALEA mollis hybrids offer a great variety of forms, sizes and colors that make them particularly adaptable for use in informal plantings. They are excellent as in this picture

The Amawalk Ideal

• From their very beginning Amawalk trees are grown with but one aim: to develop them into the finest specimens that skilled specialists of long experience can create.

In our 1100-acre nursery you will find, at prices specially adjusted to present conditions, a wealth of sturdy, symmetrical trees of many kinds that will immeasurably enhance the beauty of large estate or more modest home. We cordially invite you to visit us and see what years of devotion to perfect trees have produced. Catalog on request. Correspondence invited.

Amawalk Nursery
Incorporated
Evelyn W. Smith, Pres.
Amawalk Westchester County New York

Bug Insurance costs little. Use Wilson's O. K. Plant Spray – the quick, sure, instant method of killing destructive insect pests. Only $3 gallon, $12 five gallons. Recommended by officers and members of the Garden Club of America to save your beautiful flowers, shrubs, and evergreens.



Trade Mark Registered

Wilson's O. K. Plant Spray is sold by leading dealers everywhere and the genuine may be identified by its famous Trade Mark. Ask the nearest of your dealer or write us if you cannot supply your requirements.

Wilson's Awinco Pyrethrum Spray
Non-poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant forms of insect such as Mexican Bean Beetle, Japanese Beetle, Red Spider, Rose Chafer, Cabbage Worm, White Fly, etc. Complete, requiring only a dilution with water. Gallon $10.

Wilson's Fung-O
An efficient fungicide offering a safe, scientific preventive and remedy for Mildew, Blackspot and other fungus diseases of ornamental plants and greenhouse plants. Particularly recommended for the Nectria Canker on Boxwood. 1 gallon $3, 5 gallons $15.00, 10 gallons $30.00.

"Insects and Their Control" by Andrew Wilson. 383 Pages, 188 Illustrations. $2.50 postpaid.

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3 PLANTS FOR $1.25



lowers measure 6-8 inch diameter.
ower Show Prize Winners
Glory of Seven Oaks (Yellow)
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Brilliant Colors, 8 Plants..... $1.25
Field-Grown Stock, 250 Acres
COLORADO BLUE SPRUCE, 5 years old, two trees..... 85c
yr. old trees, 3 times trans-planted, extra bushy and nicely shaped, each.. $1.10
PECIMENS, 8-9 years old, each..... $1.65

10 EVERGREENS $1.65
4 Norway Spruce, 4 Arbor-vitae Pyramidal, 2 Biota Orientalis. Trees 1 to 1½ ft. high. PER 100 $12

HODODENDRONS (large flowering). Pink, Purple and Red, 1 to 1½ ft. 2 for 85c
LOWERING SHRUBS, 2 ft. high, Weigela Rosea, Bridal Wreath, Golden Bell, Pride of Rochester, Hardy Hydrangeas, White and Pink. 4 bushes..... 85c
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Columbine, all colors; Double Hollyhocks, beautiful colors; Shasta Daisies, Yellow Daisies; Hardy Carnations, 6 colors; Painted Daisies, Gaillardias, Sweet Williams, Forget-me-not, Physalis (Chinese Lantern Plant). Order Must Amount to $1.10 or More

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Novelty Snapdragon plants, 15 fancy colors; American Beauty Aster plants (Chrysanthemum type), 8 colors; 50 Strong Plants..... 85c

FREE—Any Six selections from this ad FREE with an order of $5.50 or over. Order direct from this ad.

The FISCHER NURSERIES
vergreen Dept. 51 EASTON, PA.
ADD 25c FOR PACKING

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DON'T leave your garden to the mercy of these pests. Fight them with old, reliable "Black Leaf 40."

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Also splendid for killing poultry lice. Just paint roosts lightly as directed, and fumes will do the work. Sold by dealers everywhere.

Tobacco By-Products & Chemical Corp., Incorporated, Louisville, Ky.



116

Black Leaf 40

Easy annuals for amateurs

(CONTINUED FROM PAGE 61)

play and cutting. Medium height and wide range of colors. They require open sun and prefer rich, heavy loam enriched with bone meal and lime. Particularly good types are Improved Crego, Single Comet and Late Branching sorts.

Antirrhinum (Snapdragon): The different types range from 1′ to 3′ in height. Many different colors. Young plants can be bought in the spring, or started from seed sown indoors during March.

African Daisy (Arctotis): A bushy, showy plant from 2′ to 3′ high. Its handsome Daisy-like flowers are white, tinged lilac blue on the lower side of the petals.

Balsam: Bushy plants about 2′ high with good-sized flowers of white, salmon, pink, or scarlet. The double Camellia-flowered type is especially worthwhile.

Coreopsis (annual form): From 10″ to 24″ high. Showy, abundant, long-stemmed blossoms in yellow, crimson, garnet and combinations. Especially good for cutting.

Calendula (Pot Marigold): Yellows and orange, low to medium height. Useful in many ways and places. Golden Gleam is particularly worth while having.

Candytuft (annual form): Various colors, all worthwhile.

Canary-bird Flower (Tropaeolum): Countless bright yellow blossoms, quick and luxuriant growth. This and the following are both splendid vines for quickly covering arches, trellises, etc. They need rich soil and full sunlight.

Cardinal Climber: Cardinal red flowers in great profusion.

Centaurea (Cornflower): Handsome double flowers in blue, maroon, rose pink, mauve, red or white. Medium height.

Cosmos: Both early and late-flowering types. From 3′ to 8′ high, depending on variety and conditions. Single or double flowers, variety of colors. Splendid for garden display and cutting.

California Poppy: Too well known to need description.

Gaillardia (annual form): Yellow, red or white flowers in abundance. About 2′ high.

Helianthus (Sunflower): Not the old-fashioned giants, but the modern miniatures (4′) and the Dwarf Miniatures (1′). Both are golden yellow.

Larkspur (annual): Double Stock-flowered, 2½′ to 3′ high. Various blues, pinks, lilacs and white. Excellent for either garden display or cutting.

Marigold (Double African): Various yellows and oranges, 3′ high. Variety Guinea Gold is one of the newest and best.

Marigold (Dwarf French): Compact, sturdy little bushy fellows about

(*Continued on page 93*)

If You Love BIRDS



Joseph H. Dodson — America's foremost bird authority — will help you attract, care for, and enjoy the beneficial song birds. Their cheery songs and interesting habits are a constant source of delight to grownups and children.



Joseph H. Dodson
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Birds are busy workers too, repaying you for their care by destroying harmful insects, such as grubs, bugs, flies, moths and mosquitoes. They capture mosquitoes on the fly and kill thousands every day.

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An interesting book, *"Your Bird Friends and How To Win Them"* will be sent on request. There is a Dodson Bird House for every desirable bird

JOSEPH H. DODSON, INC., *"Bird Lodge"* 53 Harrison St., KANKAKEE, ILL.

AZALEAS

We offer a large collection of the finest Hardy Asiatic Azaleas. Many described in this issue's article.

Azalea Pontica. One of the most popular types with brilliant, gorgeous flowers. We have excellent specimens.

Azalea Mollis. Besides the regular Azalea mollis, we particularly recommend:
Anthony Koster, deep gold to yellow.
Louise Hunnewell, golden yellow.

Azalea Kaempferi Hybrids. A splendid collection in several different shades as well as the parent of Azalea Kaempferi.

Miscellaneous Varieties. Mucronulatum, Altaclarence, etc.

These and many other are described and priced in our catalog of Evergreens, Azaleas and Rhododendrons, which we shall be pleased to mail on request.

BOBBINK & ATKINS
Rutherford New Jersey

Tree & Shrub Aristocrats

Your garden will be lifted to heights of distinction by the addition of these varieties recommended so highly by the late "Chinese" Wilson. The distinction and taste shown in their quality will please you for many years to come. They are grown under the perfect nursery conditions of the Kelsey-Highlands Nursery and have had every care. The result is perfect plants. They are offered at prices that are the lowest in many a year and represent a real investment.

PICEA ASPERATA, 3-4 ft.
A rare spruce introduced by the late Dr. E. H. Wilson. It comes from China. **$20.00 EACH**

CANADA HEMLOCK, 5-6 ft.
(*Tsuga canadensis*). One of the most popular evergreens. Perfect specimens, $90 per 10. **$10.00 EACH**

KOYAMAI SPRUCE, 5-6 ft.
(*Picea koyamai*). Introduced in 1914 by the late Dr. E. H. Wilson. Rare. $45 per 10. **$5.00 EACH**

SERBIAN SPRUCE, 12-18 in.
(*Picea omorika*). Finest spruce for northern latitudes. Rare. $36 per 10. **$4.00 EACH**

JAPANESE YEW, 18-24 in.
(*Taxus cuspidata*). Slow growing and perfectly hardy. Perfect specimens. $36 per 10. **$4.00 EACH**

MOUNTAIN ANDROMEDA, 18-24 in.
(*Pieris floribunda*). A hardy broad-leaved evergreen with white flowers in April. $36 per 10. **$4.00 EACH**

CAROLINA RHODODENDRON, 2-3 ft.
(*Rhododendron carolinanum*). Introduced by Harlan P. Kelsey. Clear pink flowers in May or June. $36 per 10. **$4.00 EACH**

DROOPING LEUCOTHOE, 2-3 ft.
(*Leucothoe catesbaei*). Sprays of evergreen foliage with white flowers. $13.50 per 10. **$3.50 EACH**

ROSEBAY RHODODENDRON, 2-3 ft.
(*Rhododendron maximum*). Valuable for its late bloom. $31.50 per 10. **$3.50 EACH**

SARGENT JUNIPER, 9-12 in.
(*Juniperus chinensis sargenti*). Makes dense mat of bright green foliage. $22.50 per 10. **$2.50 EACH**

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(*Rhododendron micranthum*). Unusual species resembling Labradortea. White flowers. $22.50 per 10. **$2.50 EACH**

PURPLE BAR HARBOR JUNIPER, 12-18 in.
(*Juniperus horizontalis plumosa*). Lovely purplish foliage in Winter. $13.50 per 10. **$1.50 EACH**

ROSE DAPHNE, 12-18 in.
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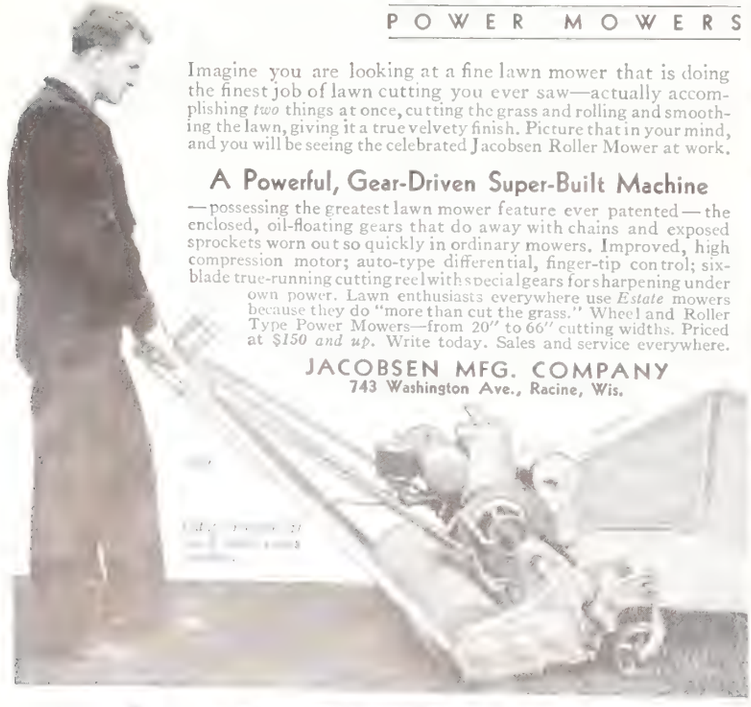
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Hardy Azaleas for garden color notes

(CONTINUED FROM PAGE 90)

they show color; if this is not done the plants exhaust themselves by flowering and do not make any growth. The seed pods must be carefully removed after flowering. If these instructions are followed, the reward will be great.

It is advisable not to plant any of the Azaleas mentioned near Rhododendrons; they flower at the same time and the colors clash. The Azaleas' oranges and yellows and scarlets do not blend with the reds and lilacs and purples of the Rhododendron.

An Azalea of an entirely different type from the foregoing is *Azalea kaempferi;* it was introduced from Japan where it grows very abundantly all over the country. This indicates its hardiness and adaptability to all kinds of conditions. It has an excellent growth, forming an upright bush—contrary to most Asiatic Azaleas which develop into wide, broad bushes. In the South it is evergreen or nearly so; in the North it is deciduous. It is practically free from insect pests and diseases.

Endowed with all these qualities, *kaempferi* would be perfect if the flowers were larger and more striking. They are brick-red, sometimes salmon; but, unless planted in the shade, the flowers burn soon after they open.

Twenty-five years ago the late Professor Sargent, to whom horticulture owes so much and who knew all the good qualities and faults of *Azalea kaempferi,* suggested to the writer, who at the time had his nurseries in Holland, that he use *Azalea kaempferi* as one of the parents for hybridizing. By so doing Professor Sargent thought it possible to obtain an Azalea as hardy and thrifty as *kaempferi* and with large and brilliant flowers like those of some other Azalea.

After several experiments and disappointments my propagator crossed *Azalea kaempferi* with *Azalea malvatica,* a species which I imported with a large quantity of Hinodegiri many years ago. *Azalea malvatica* has large flowers of a pure mauve color, blooms abundantly and flowers longer than any other Azalea. This latter quality and its purity of color induced me to use it for hybridizing.

The large seed pods which resulted from hybridizing were full of promise and the outcome was most gratifying. When the young seedlings started to flower there were all kinds of colors among them—pure pink, atlas strawberry red and mauve in all tints and shades. The brick-red *kaempferi* was also represented the flowers were larger, the color intense and sun-resistant.

These Koster *Azalea kaempferi* hybrids are now available in this country; they have proved to be perfectly hardy, like *kaempferi.* The very first types have been selected and given names; some of the best are:

Carmen, carmine-rose. Fedore, lemon rose, very large flower. Zara, strawberry red, fine large trusses like Rhododendron. Othello, red like Hinodegiri, excellent grower. Mignon, a fine delicate rose.

Other Azaleas of great merit are hybrids of *Azalea occidentalis* obtained by crossing *occidentalis* with *Azalea pontica.* Unfortunately they are not dependably hardy north of Philadelphia or Washington. One of the best is Irene Koster. Its buds ready to open are Geranium lake in color. The open flowers are Neyron rose with Indian yellow lip; they are large and smell as sweet as Carnations.

There are several other Azaleas mostly introduced from Asia, which are worth mentioning. *Azalea mucronatum,* the earliest flowering of all, flowers at the same time as Forsythia. The soft lavender of this Azalea blends very well with the golden yellow flowers of the Forsythia. They should be planted together for they are excellent partners.

Azalea schlippenbachi is a very delicate pink. *Azalea pouhkanense* and its double form Yodogawa are both magenta; they are practically deciduous. They should never be planted with other Azaleas, but a combination with white Tulips is very charming. Yodogawa flowers for a longer period than any other Azalea I know, perhaps with the exception of Malvatica.

The autumn coloring of many Azaleas is exceedingly beautiful. Some kinds are rivals of the Virginia Creeper, the Sassafras, the Sumac. A group of different varieties will show in the autumn foliage of all colors, deep red, purple and yellow, almost as vivid as their flowers in the spring.

Of a truth, Nature has bestowed many of her gifts upon Azaleas. They represent one of her most brilliant creations.

A lodge on the Little Choptank

(CONTINUED FROM PAGE 88)

bordered drive approaching "Pokety" you will observe many Holly trees which are rare; Maryland turkeys cowering on rail fences; and sheep, contentedly at pasture.

In fact, Mr. Chrysler has not forgotten anything that adds to the comfort of the guest. A stable of horses, a large motor cruiser and several smaller boats, fishing equipment, and, if you are an ardent clay-pigeon shot (as he is) he has a varied assortment of shooting paraphernalia in the room, while to one side of the lodge is a large open field for shooting, with throwing machine and all. But there still remains that the place is sadly lacking in one thing—an exercising machine. With the glorious air and the mild complacence of it all, you are given to eating tremendous quantities. So much so, you feel too indolent to get out and exercise, unless there is a machine to do it for you.

Easy annuals for amateurs

(CONTINUED FROM PAGE 91)

1' high, in a variety of yellows, pinks and combinations.

Nigella (Love-in-a-mist): Feathery foliage, blue or white flowers. From 1' to 2' high.

Nasturtium: Both climbing and Tom Thumb or bedding types the latter especially good for edgings. There is a new double fragrant climbing variety called Golden Gleam which is highly recommended.

Petunia (Balcony type): Many colors, all of them desirable. A spreading, rather loosely formed plant of medium height. It is equally adapted to planting at the front of beds and in window and porch boxes, in sun.

Salpiglossis: Another flower that no annual enthusiast would be without. Its colors cover a wide range and its adaptability to conditions nearly as varied.

Phlox (Annual type): Lovely pastel blossoms of many colors. Grows from 6" to 15" high.

Portulaca (Sun Plant): White, yellow, red and about 6" high. Likes a rich soil [illegible]

display in the autumn out of those color shows which have made Australia famous.

Shirley Poppies (Single and double): Many colors, sizes and forms. Impressive effective. Some of the varieties look almost artificial in the texture and form of their blossoms.

Salvia: Bonfire, Purple and Bonfire are especially worthy varieties. About 2½' high.

Scabiosa (Mourning Bride): Pincushion heads, white. About 2–3' high.

Stocks: Many colors. Fragrant. From 2' to 2½' high when well grown. Start seeds early indoors, or buy young plants. Giant Imperial and Blue Perfection are outstanding.

Verbena: Mammoth varieties are particularly showy. Many colors. Try especially Lavender Glory, Fireball and Pearl Rose.

Zinnias: Wholly indispensable. Various colors, 9" to 3' high. For details, see special article on the modern Zinnias in House & Garden for [illegible]

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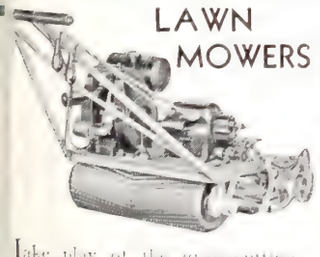
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The garden scrap book

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FALSE ECONOMY. In these days of governmental expense curtailment there is, unfortunately, a tendency for municipalities, large and small, to cut down or entirely dispense with their appropriations for spraying and otherwise caring for the street and park trees.

This may not be literally killing the goose that lays the golden egg, but it comes perilously near that silly procedure. Not only is the beauty of innumerable streets, parks and playgrounds directly dependent on the health of their trees, but if insect pests once get the upper hand [illegible] will spread and do irreparable damage to the gardens and shade trees of the citizens. Neglect of adequate public plant care even for one season can undo the work and wreck the investment of years. Watch your local town fathers, therefore, and don't let them imperil one of your community's most priceless possessions.

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all the household. No need to run p
stairs or dash down . . . to rush f
room to room. Calls can be made
received quickly at all times—with-
interrupting other activities—with
privacy for personal affairs.

Make sure of telephone conveni
when you buy or build. Or let the
telephone company show you how e
and economically it can be provide
your present home. There is no ch
for this advisory service. Just call
Business Office.

*"—And besides the regular telephones in the roo
use most, there are extra outlets in other rooms into
we plug a portable telephone whenever it's needed
one is yours as long as you're here."*

HOUSE & GARDEN

Condé Nast Publication

w Boxes
ry Rooms
n Furniture
gs in Colour
ets in Colour
ns in Colour



Garden Furnishings · June, 1932 · Price 35 cents



"*Where blossom'd many an incense bearing tree*." —COLERIDGE

YARDLEY'S *Orchis*



The nightingales sing and the roses blow and moonlight silvers all the garden. And whoever walks at evening in an English garden will remember always its breathless, haunting beauty, its unearthly fragrance. . . . There is a perfume blended so subtly that it seems to recreate that summer loveliness; to imprison, in walls of glass, that evanescent magic. Orchis is the distillation of a hundred flowers, the incarnation of the wind across the violets and jasmin. Orchis is alluring, delicate and fine . . . a perfume for an age which has turned again to things romantic, which cherishes, once more, that charming legendary figure called the lady. . . . Orchis may be had from seven dollars and a half to one dollar. Yardley & Co., Ltd., 452 Fifth Avenue at Fortieth Street, New York City; in London, at 33, Old Bond Street.



Celanese [illegible]—a very, very [illegible] sheer white for both glass curtains and over-draperies, lends a fresh, informal air to the Card Room in the Tradition Apartment.

In the Tradition Apartment

Marshall Field & Company

Attain a New Freedom with

CELANESE

•

Against a traditional background of period furniture, the cool, luminous beauty of Celanese Decorative Fabrics achieves a delightfully free, light, modern feeling. In their unique serviceable qualities, as well as in their richness of texture, Celanese weaves bridge the gap between the classic and the modern. They possess a naturally supple hand—entirely free from weighting —which remains unimpaired through repeated dry cleanings. They do not shrink or stretch . . . never mold . . . are not injured by fog or dampness . . . and the lovely, clear colors are unusually fast.

CELANESE

TRADE MARK REG. U. S. PAT. OFF.

Decorative Fabrics

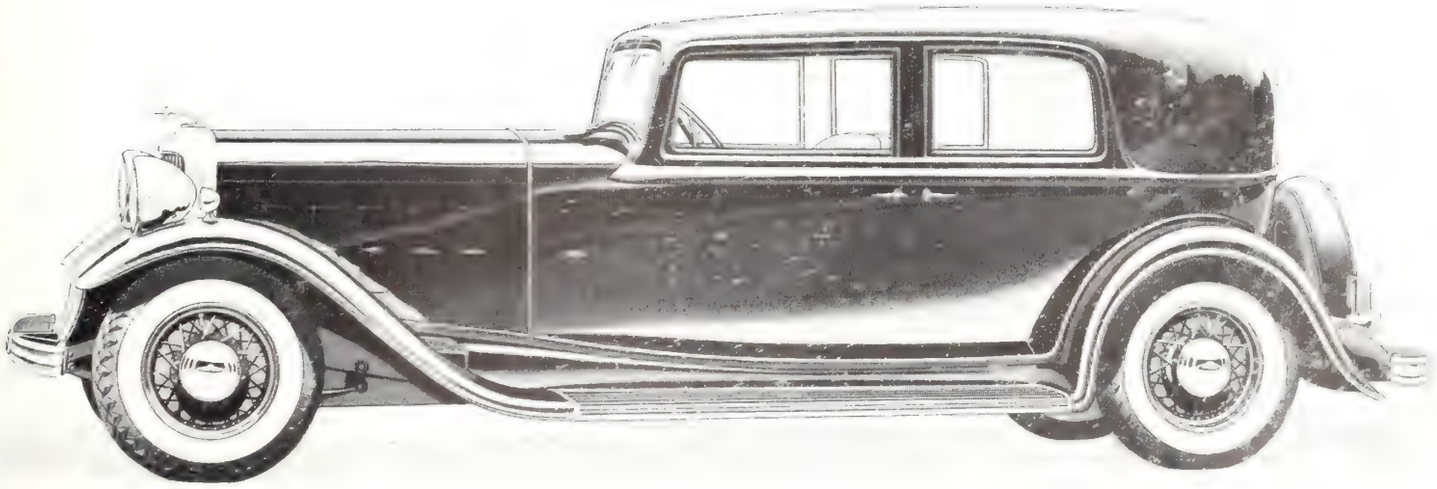
Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America, [illegible], New York City.

HOUSE & GARDEN [illegible] Boston Post Road, Greenwich, Conn. Executive and Publishing offices, Greenwich, Conn. Entered as Second-Class Matter March 3rd, 1879, at the Post Office at Greenwich, Conn., under the Act of March 3rd, 1879. Editorial offices, Graybar Building, Lexington at 43rd Street, New York City. Publication Office, Greenwich, Conn. Subscription rates, in the United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippine Islands, $3.00 a year in advance. In Canada $3.75 extra postage.

Vol. No. 61 N

THE LINCOLN

12



The Lincoln V-12 . . Two-window Town Sedan . . $4500 . . Detroit

Those who truly value the fine things of life find the Lincoln as gratifying in its service as in the beauty of its appearance. Long sweeping lines indicate the smoothness of its motion. Precision construction promises miles virtually without number of luxurious motoring comfort. So hushed is the flow of power, so gliding-like its fleet performance, that one senses immediately the extreme care with which this highly refined mechanism has been built. Every Lincoln is constructed to the highest principles of manufacture, with advanced engineering, of the finest materials and to precision limits exact to minute fractions of a hair's breadth. This is the background of the Lincoln V-12, *a motor car designed to supplement any scheme of gracious living. Twelve one custom-built and standard body types are priced at Detroit from $4500, fully equipped*



ORCHID

The charm of Orchid sterling silver lies in its grace of line and delicacy of detail. Orchid is, in a word, feminine, and should be selected by those who like their tea gowns trailing and their dinner gowns décolleté. At your jeweler's, you can see this lovely International Sterling pattern in flatware and hollowware, too.

FONTAINE

This magnificent pattern in International Sterling takes its inspiration from the French Renaissance. The rich ornamentation and elegance that made the age of the Louis' memorable are here; the weight of the silver, too, bespeaks the opulence of that time. Fontaine is indeed a design of impressive and massive beauty, as the tea service and fork clearly show. You can see this luxurious International Sterling pattern, in both flatware and hollowware, at your jeweler's.



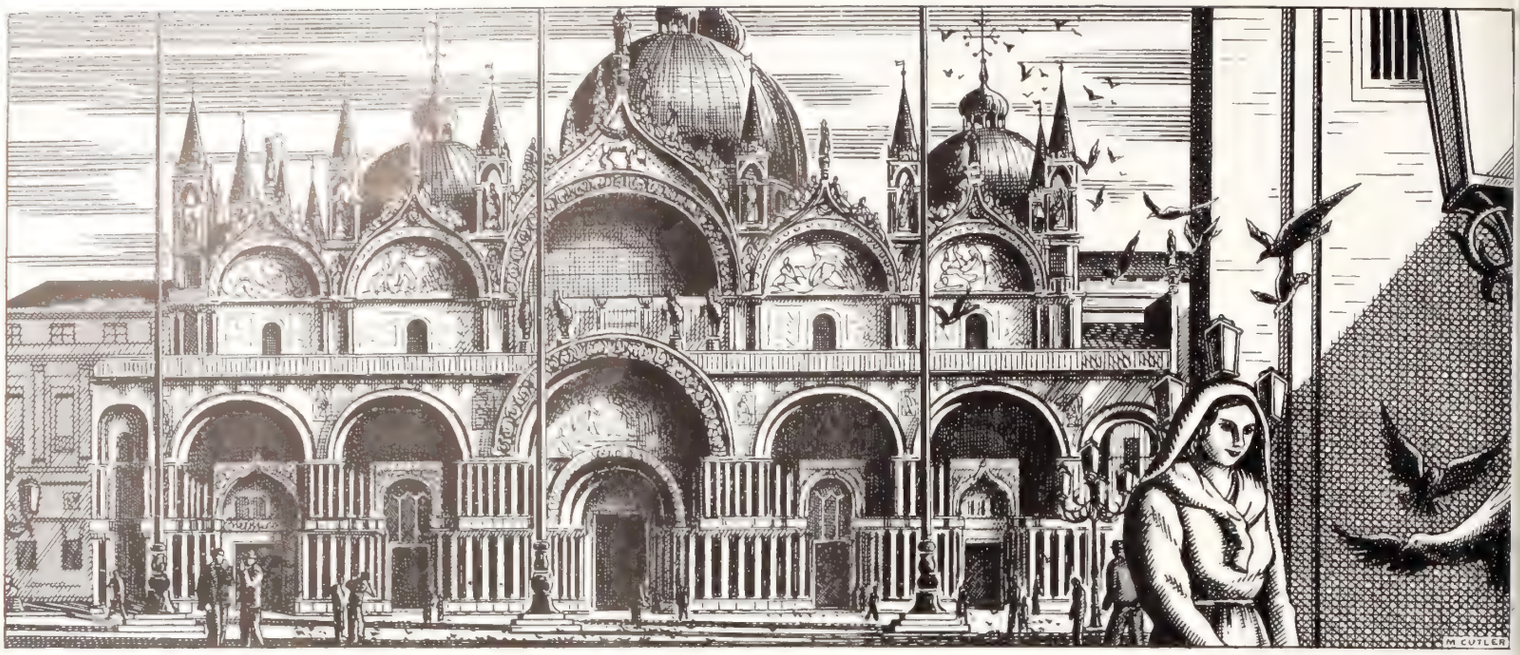


EMPRESS

the new reigning beauty of modern sterling silverware. International Sterling has given this pattern originality and unusual interest. In the detail and handling of the ornament it is entirely modern, yet in its effect the pattern calls to mind the Empire period—that romantic age that increases in interest and prestige every year. Each individual piece of Empress silver shows imagination and spirit—as evidenced by the fork, and by the aristocratic tea service. At your jeweler's, you will find this distinguished new pattern on display, in both flatware and hollowware.

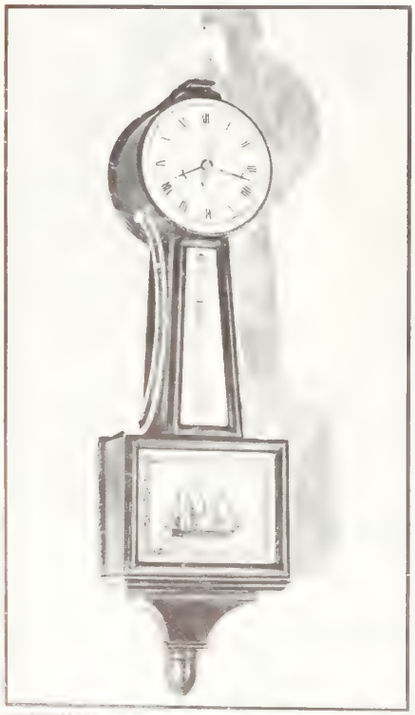
About prices—Empress and the other International Sterling patterns shown on this page are priced remarkably low. Never before, in fact, has there been a better time to start a beautiful International Sterling service—or to add to the one you now own. Your jeweler can give you complete price lists.

A helpful book..."Correct Table Silver—Its Choice and Use" is a beautifully illustrated book of suggestions and advice which Lady Mendl (Elsie de Wolfe) herself supervised. The cost is only 25 cents. Write to the Fine Arts Division, Dept. 2-B, International Silver Company, Wallingford, Conn.



ST. MARK'S, VENICE

Chimes that enchanted you in some old world twilight may now sing through your home!



BUTLER HALL — Mahogany banjo, with quaint brass ends. Colonial glass panels. 20¼" high. $19.75.



R-312—Graceful tambour. Mahogany case. 11" wide. Colonial design. Westminster chimes.

DID you ever listen at dusk as the cathedral chimes in some old world city sent magic music floating down? Now you may know in your own home the haunting beauty of those moments.

Revere has made them live again, in a series of distinguished chiming clocks. They bring you the most loved melodies of all the old world — Westminster, Canterbury, Whittington. They chime every quarter-hour — deep, full-toned notes — and strike the hour as well. Their cases are classic in design, carved from fine woods, with richly etched and inlaid dials.

And inside every one is a tiny Telechron motor which translates alternating current from your electric outlet into accurate time. . . . There are, in addition, Telechron silent clocks with the same precision — alarm clocks that rouse you pleasantly from slumber — banjo clocks that grace any wall — distinctive desk and mantel clocks.

Truthful, trouble-free, friendly, Telechron Clocks soon seem like members of the family. Strike and chime clocks range in price from $19.50 to $650. Silent models as low as $5.50. Consult your classified telephone directory for the dealer nearest you.

WARREN TELECHRON COMPANY, ASHLAND, MASS.

THE REVERE CLOCK COMPANY, CINCINNATI, OHIO

Telechron

Reg. U. S. Pat. Off. by Warren Telechron Co.



R-818 — *Early-American design. Mahogany cas Decorated glass door. Westminster chimes.* $1



R-930 — *Gothic design. Dove-colored oak ca 9¼ inches high. With hour strike only.* $19.5

These celebrated sterling patterns...

prized by famous Hostesses

now cost so little

You will be delighted with the amount you can afford at today's low prices

FAMOUS Gorham sterling, owned by brilliant hostesses in North, South, East and West, now costs less than it has in many years!

This is certainly the advantageous time to select your new sterling set or to fill out the pattern you already own.

With great economy, you can now choose lovely, classic Etruscan, which is owned by Mrs. William Lawrence King, Jr. Or, perhaps your favorite is smart modern Hunt Club, the wedding silver of Mrs. Albert Howell, Jr. The aristocratic elegance of Chantilly may harmonize best with your furnishings, as it does with those of Mrs. John K. Ottley, Jr.

Or your choice may be stately Fairfax, as it was Mrs. J. Clyde Rogers'. If you are smartly Victorian, charming King Albert will delight you! This pattern is proudly owned by Mrs. Ross S. Campbell.

For 100 years Gorham has stood for peerless craftsmanship in wrought silver. Every pattern has been created by a master designer, to delight your discriminating taste.

Enhance the loveliness of your table by completing your favorite pattern or choose one you have long yearned to own. Authorities in the business world agree that an increase in silver bullion may come this year. Perhaps never again will you be able to buy Gorham sterling at such low cost!



Fairfax

The stateliness of 18 Century America inspired Fairfax. It harmonizes well with any decorative scheme. Teaspoons, $6.50 for six.

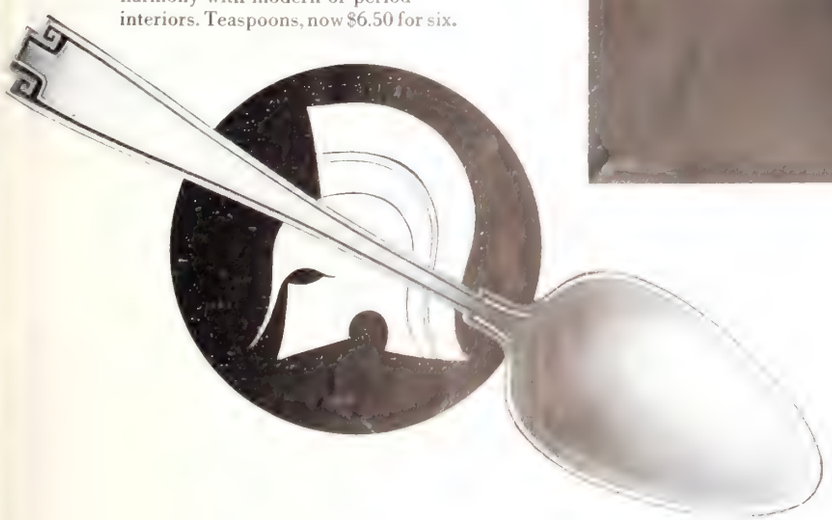
Chantilly

Of French inspiration, the curved design of Chantilly has patrician grace which is charming in any setting. Teaspoons, $6.50 for six.

King Albert

The rich simplicity of King Albert makes it one of the most beloved of Gorham's celebrated patterns. Teaspoons, now $6.50 for six.

Etruscan—In the classic tradition, Etruscan has rhythmic beauty and exquisite balance. The clear, clean lines of this design are equally in harmony with modern or period interiors. Teaspoons, now $6.50 for six.



PROMINENT HOSTESSES WHO OWN GORHAM STERLING

Mrs. Robert L. Raymond, Jr.
Mrs. Henry Ward Banks III
Mrs. Albert G. Mason
Mrs. Carter Harrison, Jr.
Mrs. Charles Compton Smith
Mrs. John High Noyes
Mrs. John Comstock Hering
Mrs. Edward O. Pringle
Mrs. Howard F. Whitney, Jr.
Mrs. C. Coulter De Klyn
Mrs. [illegible] Harry [illegible]
Mrs. Edward Bowditch Watson

GORHAM

Exquisite matching dinner services in Etruscan, Fairfax, King Albert, Hunt Club and Shamrock patterns can now be bought at reduced prices.

Beware Ōf Smoker's Teeth



America is rapidly becoming a nation of smokers. The pleasure that lies in cigarette, cigar or pipe entices thousands of NEW smokers daily—

And many of these smokers are beautiful young women to whom the danger of smoke-stained teeth was a vital problem. Today, however, users of BŌST TOOTH PASTE have found that they can smoke to their heart's content and still have perfectly white teeth.

Through harmless—even beneficial ingredients, BŌST TOOTH PASTE removes and prevents ugly tobacco stains. It cleans teeth correctly, pleasantly and safely—

Try BŌST today and prove to yourself that you can really enjoy your cigarette without danger to your teeth.



MAKE THIS STARTLING TEST!

BLOW TOBACCO SMOKE THROUGH YOUR HANDKERCHIEF. IT LEAVES A BROWN STAIN. COVER STAIN LIBERALLY WITH BŌST TOOTH PASTE, THEN BRUSH IT BRISKLY, AND—THE STAIN DISAPPEARS!

BŌST TOOTH PASTE

INTRODUCTORY OFFER

Send 10 cents for week's supply to Bōst, Inc., Dept. V, 9 East 40th Street, New York

NAME _____

ADDRESS _____

MY DRUGGIST IS _____



They're so lovely looking!

HOW CAN THEY LAST SO MUCH LONGER?

"My hope-chest WAMSUTTAS," *you say to yourself. "Mother must have bought them in the Spring of 1926. Ages ago . . . and yet they're just as strong and even silkier than when they were new.*

*"*WELL. *I wish I hadn't wasted our own money on those other sheets. 'Just as good as Wamsutta' they said. Huh! To keep the frost off the dahlias maybe — or cover the ironing board!"*

The lasting strength of Wamsutta is amazing. In their latest test, fifty Wamsutta sheets came through the equivalent of six years' laundering still strong and perfectly usable. At today's low prices, therefore, a Wamsutta sheet costs 55 cents (or less) a year, little enough for almost anybody. Wamsutta's lovely pastel tints match perfectly with colors of the famous North Star blankets.

WAMSUTTA MILLS, *Founded 1846*, NEW BEDFORD, MASS.
NEW YORK SALES OFFICE, 180 MADISON AVENUE

WAMSUTTA
PERCALE SHEETS
AND PILLOW CASES
THE FINEST OF COTTONS

WAMSUTTA SHEETS AND PILLOW CASES

PIERCE-ARROW



The instinct for Pierce-Arrow ownership goes deeper than pride or social preference

IT is bred of a deep-rooted, almost unconscious, conviction that Pierce-Arrow has always been built to standards singularly fine.

Many of the artisans whose skill is so brilliantly expressed in today's Pierce-Arrow Twelves and Eights came to Pierce-Arrow early in its career. They helped establish practices of precision manufacture which endure to this day. Such men, whose pride is in the deftness of their hands, work with gauges that measure four-millionths of an inch—with scales that register milligrams.

In an era when speed has become a fetish in manufacturing, the Pierce-Arrow plant at Buffalo remains the distinguished exemplar of painstaking hand-work . . . and the current Pierce-Arrow Twelves and Eights present Pierce-Arrow precision at its finest.



From a Pierce-Arrow advertisement published in 1910 comes this picture of what was then "America's Finest Car." Throughout the intervening 22 years, there has never been a rival for this Pierce-Arrow distinction.

TWO NEW TWELVES

142-inch to 147-inch wheelbase
150 horsepower
137-inch to 142-inch wheelbase
140 horsepower

Priced at Buffalo from . $3650

THE NEW EIGHT

137-inch to 142-inch wheelbase
125 horsepower

Priced at Buffalo from . $2850

At moderate prices now...
Water Heaters with *rust-proof* tanks

Durable storage tanks cost only slightly more than the rustable kind



"Copper King" Gas Water Heater, made by Copper Boilers Incorporated

T A PRICE thought impossible a few years go, you can now obtain a water heater ith a storage tank of Copper or Everdur, etals that *cannot* rust. Leading manucturers offer a complete range of sizes nd types that deliver clear water, save ei and last indefinitely.

efore purchasing a water heater with a istable tank, remember that hot water *astens* the formation of rust. Every time ou wait for hot water to "run clear," ou waste the fuel used to heat the water. nd if the heater is underfired, rust will ecessitate the use of more fuel.

omparison of such service as this with iat assured by Copper, clearly reveals ie economy of rustless tanks. Many well- ade Copper tanks are still sound after ore than forty years of use.

verdur . . . Anaconda Copper, alloyed ith silicon and manganese . . . is now eing used for tanks by a number of anufacturers of storage water heaters. his alloy produced solely by Anaconda, ombines the corrosion-resistance of pure opper with the strength of steel. The ease ith which it is welded makes Everdur ie ideal metal for rustproof tanks of elded construction.

You may obtain further information about storage tanks of Anaconda Copper or Everdur, and range boilers of these metals, from your gas or electric company, or plumbing contractor; or by writing to The American Brass Company, General Offices: Waterbury, Connecticut. In Canada, Anaconda American Brass Limited, New Toronto, Ontario.



The "Copper King" automatic gas water heater illustrated, a [illegible] gallon size, is equipped with a riveted tank of Anaconda Copper. All parts in contact with water are Copper or Brass. The cut-out view shows the details of the interior construction. The "Copper King" is manufactured by Copper Boilers Incorporated, N. [illegible]

Tanks of ANACONDA METAL

TRADE LITERATURE REVIEWS

EACH month there will be briefly reviewed here a number of the new brochures, pamphlets and catalogs which have been issued by House & Garden's advertisers. Address the concerns direct for this literature or indicate by number on the coupon below the material in which you are interested . . . mail it to House & Garden's Reader Service Bureau, Greenwich, Connecticut, and we will have these booklets sent to you at once. Where a nominal payment is mentioned please enclose your remittance in stamps.

BUILDING MATERIALS

House Building Equipment

1 [illegible] per, brass and bronze. THE AMERICAN BRASS CO., WATERBURY, CONN.

2. FRIGIDAIRE AIR CONDITIONERS. Folders illustrate these air conditioners which cool and dehumidify the air in summer and heat it in winter. FRIGIDAIRE, 39 W. 45TH ST., N. Y. C.

3. MATCHED BEAUTY. An attractively illustrated leaflet shows the modern designs in Kohler bathroom equipment. KOHLER CO., KOHLER, WIS.

House Building, Misc.

4. HODGSON HOUSES. This catalog illustrates charming portable houses built to harmonize with the individual landscape. E. F. HODGSON CO., 1108 COMMONWEALTH AVE., BOSTON, MASS.

5. POPE & COTTLE. Sectionally constructed houses are illustrated and described. Also log cabins, cabanas, playhouses, greenhouses and garden furniture. POPE & COTTLE CO., REVERE BEACH PARKWAY, REVERE, MASS.

Roofing

6. SALEM ROOFS. Describing the Salem shingle which is durable and fireproof. ARCHITECTURAL SERVICE, JOHNS-MANVILLE, MADISON AVE. & 41ST STREET, N. Y. C.

Windows

7. QUALITY IN GLASS FOR WINDOWS. A booklet describing and illustrating the beauty of clear flat window glass. LIBBEY OWENS FORD GLASS CO., TOLEDO, OHIO.

GARDENING

Garden Furniture & Decoration

8. GARDEN FURNITURE. Booklet illustrating garden pieces of Pompeian Stone, marble, terra cotta and lead. Price 10c. THE ERKINS STUDIOS, 253 LEXINGTON AVE., N. Y. C.

9. GALLOWAY POTTERY. Large selection of decorative terra-cotta garden pieces, described and illustrated. Price 10c. GALLOWAY POTTERY, 3218 WALNUT STREET, PHILADELPHIA, PA.

Fences

10. ANCHOR FENCES. Descriptions and illustrations of types of Anchor Fences that not only protect but beautify property. ANCHOR POST FENCE CO., BALTIMORE, MD.

11. WAYS TO ENRICH HOME LIFE. Photographs show how the beauty of your garden may be protected by a Cyclone Fence. CYCLONE FENCE CO., WAUKEGAN, ILL.

12. DUBOIS WOVEN WOOD FENCE. Illustrations offer suggestions for solving landscape problems. DUBOIS FENCE & GARDEN CO., INC., 101 PARK AVENUE, N. Y. C.

13. PROTECT-A-YARD. Folder 97M describes the Protect-A-Yard which provides a safe place in which the children can play. BUFFALO WIRE WORKS CO., INC., 475 TERRACE, BUFFALO, N. Y.

14. THE NEW STYLE IN LAWNS. A booklet containing landscaping information and actual plans. PITTSBURGH STEEL CO., 731 UNION TRUST BLDG., PITTSBURGH, PA.

15. FENCES OF SHEVLIN PINE. A folder containing photographs and drawings of attractive fences of various designs. SHEVLIN PINE SALES CO., DEPT. 925, 900 FIRST [illegible]

Fertilizer

16 [illegible]

Insecticides

17 [illegible] book gives a concise account of the various insects likely to infest gardens, flowers, plants, shrubs and trees and the insecticides to use on them. $2.50 a copy. ANDREW [illegible]

Lawn Mowers & Sprays

18. NEXT BEST TO RAIN. Describes the double rotary sprinkler which throws a steady shower over a circular area up to 80 feet. Several testimonials are given. DOUBLE ROTARY SPRINKLER CO., 300 COCA COLA BLDG., KANSAS CITY, MO.

19. LAWNS. Explains how the Milbradt Power Mower can cut a lawn no matter how hilly, with a minimum of effort. MILBRADT MFG. CO., 2403 N. TENTH STREET, ST. LOUIS, MO.

20. MOTO-MOWER. A twenty-four page catalog gives complete details about the power lawn mower. THE MOTO-MOWER CO., 4606 WOODWARD AVENUE, DETROIT, MICH.

21. RAIN. A booklet describing and illustrating the concealed, portable and overhead types of Skinner sprinklers for large and small lawns and gardens. THE SKINNER IRRIGATION CO., 231 WATER STREET, TROY, OHIO.

22. JACOBSEN POWER MOWERS. The operation and construction of Jacobsen lawn mowers is explained in this booklet. JACOBSEN MANUFACTURING CO., 743 WASHINGTON AVE., RACINE, WISC.

Seeds, Bulbs & Nursery Stock

23. AMAWALK TREES. This concern publishes a catalog decidedly informative to the person who wants to secure an immediate effect by the planting of large trees. AMAWALK NURSERY, AMAWALK, N. Y.

24. EVERGREENS, AZALEAS, RHODODENDRONS. Planting and cultural directions are given for the long list of broad leaved evergreens and conifers colorfully illustrated in this catalog. (50c west of Rockies.) BOBBINK & ATKINS, RUTHERFORD, N. J.

25. DREER'S GARDEN BOOK. This manual for gardeners features several new plants and a wide range of dependable flowers, vegetables, shrubs, vines and aquatics. HENRY A. DREER, DEPT. K, 1306 SPRING GARDEN ST., PHILADELPHIA, PA.

26. ARISTOCRATS FOR THE GARDEN. An outstanding catalog of the choicest hardy plant material—trees, shrubs and herbaceous. Of exceptional interest to discriminating gardeners. HARLAN P. KELSEY, INC., DEPT K, EAST BOXFORD, MASS.

27. RHODODENDRONS AND AZALEAS. A descriptive brochure lists attractive Rhododendrons and Azaleas accompanied by a price list. KOSTER & CO., BRIDGETON, N. J.

28. ROSE VALLEY. This delightfully written catalog contains several photographs of Roses in many colors. ROSE VALLEY NURSERIES, LYONS, N. Y.

29. IMPORT BULB LIST. Offering a choice of Tulip, Narcissus, Hyacinth, Daffodil and Madonna Lily bulbs. MAX SCHLING SEEDSMEN, INC., MADISON AVE. & 59TH STREET, NEW YORK CITY.

30. SEED ANNUAL, 1932. Included in the catalog are lists of vegetables, flowers, climbing plants and shrubs. STUMPP & WALTER CO., 132-138 CHURCH ST., N. Y. C.

31. WATER LILIES. Descriptions and colored illustrations of Lilies, aquatic plants and fancy fish for your water garden. WILLIAM TRICKER, INC., 2207 BROOKSIDE AVENUE, SADDLE RIVER, N. J.

32. HARDY PLANTS, ROCK PLANTS, LILIES, BULBS. The Spring catalog of this concern shows several illustrations of fine rock and hardy plants. New varieties are featured. THE WAYSIDE GARDENS CO., MENTOR, OHIO.

HOUSE FURNISHINGS

Floor Coverings

33. PERIOD INTERIORS. Color illustrations show attractive rooms in which the floor coverings are Cochrane carpets and rugs. CHARLES P. COCHRANE CO., PHILADELPHIA, PA.

34. SEEMINGLY SEAMLESS. Describing a carpet giving a seamless broadloom effect. Illustrations show how it is laid. COLLINS & AIKMAN CORP., 25 MADISON AVENUE, NEW YORK CITY.

35. CLARIDGE CARPETS. A portfolio of illustrations showing the colors and uses of Claridge carpets in decoration. Ten cents. CLARA DUDLEY, W. & J. SLOANE, 577 FIFTH AVE., N. Y. C.

Furniture

36. CHILDREN'S FURNITURE. Portfolio of loose-leaf sheets describing and illustrating children's furniture. CHILDHOOD, INC., 32 E. 65TH ST., NEW YORK CITY.

37. CHARLOTTE FURNITURE. Illustrations of reproductions of Early American pieces, also English, French, Italian Provincial and Biedermeier. Price 10c. CHARLOTTE FURNITURE CO., CHARLOTTE, MICH.

Glassware & China

38. THE GLASS OF FASHION. Beautiful illustrations in color show table settings for all meals, using Fostoria glassware throughout. FOSTORIA GLASS CO., HG6, MOUNDSVILLE, WEST VA.

39. PITT PETRI. A wide range of decorative glassware and china. PITT PETRI, IMPORTER, WALDORF-ASTORIA HOTEL, N. Y. C.

Kitchen Equipment

40. A NEW SINK. Housewives will be very much interested in this booklet describing the advantages and beauty of Monel Metal sinks. THE INTERNATIONAL NICKEL CO., INC., 73 WALL STREET, NEW YORK CITY.

Silver

41. BRIDES PRE-VIEW SHOWING. A sterling silver spoon in the Symphony pattern, engraved with your own initial, and a booklet on "Bridal Silver and Wedding Customs" will be sent for $1.50. THE TOWLE SILVERSMITHS, NEWBURYPORT, MASS.

House & Garden's Reader Service Bureau
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Please have sent to me the booklets numbered_____

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Wall Coverings

42. WHITWELL WALLPAPERS. A book of wallpaper designs is offered by this concern for a charge of six cents. JOHN H. WHITWELL, INC., 1621 SPRUCE ST., PHILADELPHIA, PA.

43. MORE CHARM IN THE HOME. Desirable color schemes are given for rooms of various exposures. Samples of attractive designs in Wall-Tex are included. COLUMBUS COATED FABRICS CORPORATION, COLUMBUS, O.

MISCELLANEOUS

Boats

44. BOATS. Explains how A. C. F. boats will afford you a delightful vacation on the water. AMERICAN CAR & FOUNDRY CO., 30 CHURCH STREET, N. Y. C.

Candy

45. "MY THREE SMARTEST BRIDGE PARTIES." The menus for three amusing bridge parties are given in a folder. JOHNSTON'S CHOCOLATES, MILWAUKEE, WISC.

Gifts

46. THE LURE OF HOME MOVIES. Some very interesting information for those who enjoy moving pictures at home. EASTMAN KODAK CO., ROCHESTER, N. Y.

47. THE ORIENTAL MOTIF IN DECORATION. An attractive booklet showing ornamental and decorative pieces from the Orient. YAMANAKA & CO., 680 FIFTH AVE., N. Y. C.

Toiletries

48. BOST TOOTH PASTE. A sample of this tooth paste is offered for ten cents. BOST INC., DEPT. V, 9 E. 40TH ST., N. Y. C.

49. FACIAL BEAUTY CULTURE. A booklet containing helpful beauty instructions for young and old. KATHRYN MURRAY, INC. SUITE 531, 5 S. WABASH AVE., CHICAGO, ILL.

SCHOOLS & CAMPS

50. CHOOSING THE PRIVATE SCHOOL. An of the 331 schools recommended in th booklet will send descriptive literature request. Specific advice on individual pro lems can be obtained by writing this burea HOUSE & GARDEN'S SCHOOL & CAMP B REAU, 1930 GRAYBAR BLDG., N. Y.

51. PRIVATE CAMPS. Detailed informati for parents about camps recommended House & Garden. HOUSE & GARDEN SCHOOL & CAMP BUREAU, 1930 GRAYB BLDG., N. Y. C.

52. N. Y. SCHOOL OF INTERIOR DECOR TION. A general catalog of the courses giv by this school. A home study course is fered for those who cannot come to N York. NEW YORK SCHOOL OF INTERI DECORATION, 578 MADISON AVE., N. Y.

TRAVE

53. INTOURIST. General booklet M5 scribes the tours and the places of unusu interest to see in Soviet Russia. INTOURI INC., 261 FIFTH AVE., N. Y. C.

54. ITALY. Photographs show beauti views of the cities in Italy, with descr tive information. ITALIAN TOURIST formation OFFICE, SQUIBB BLDG., N. Y.

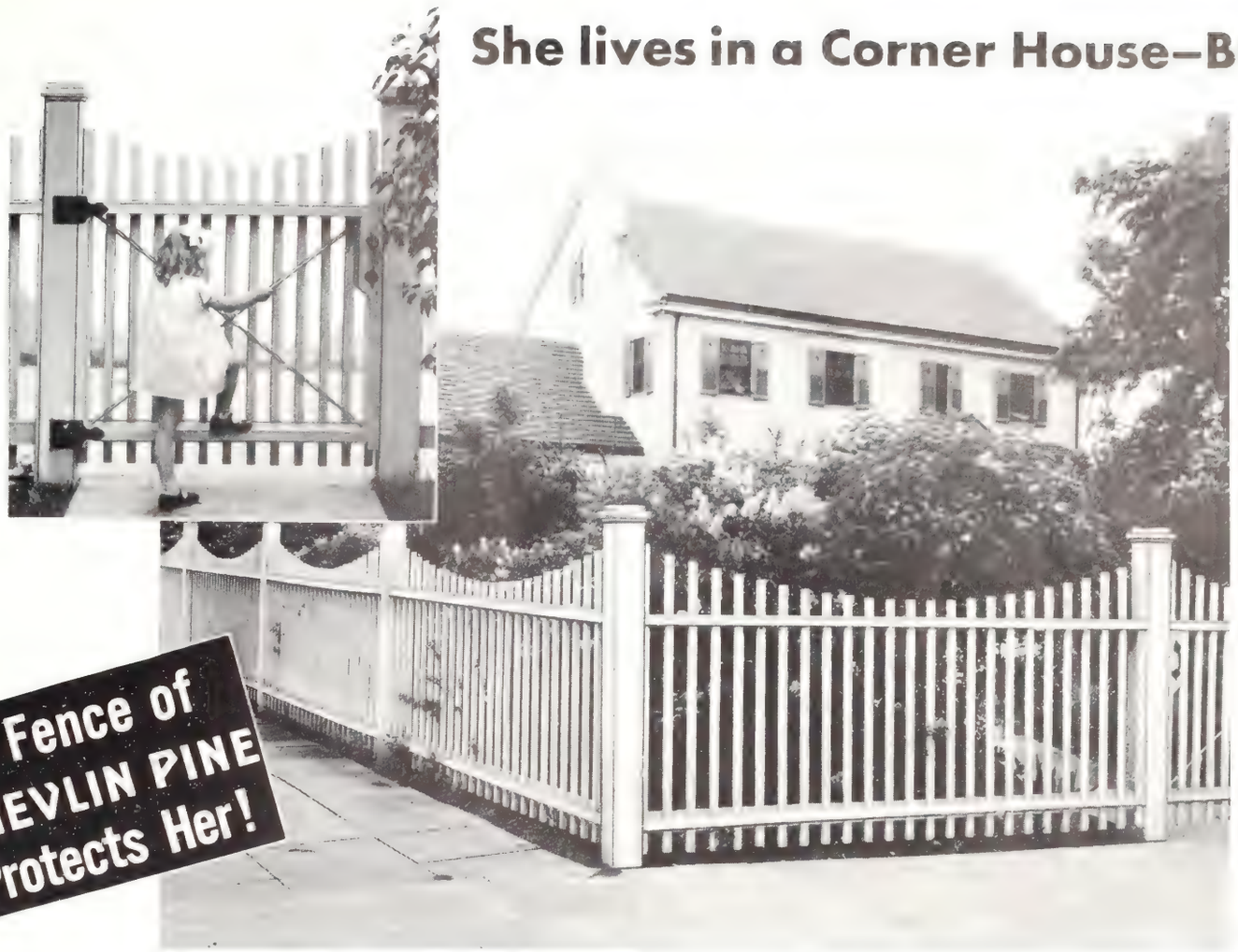
55. SHAKESPEARE'S COUNTRY. An ill trated booklet describing a tour throu "Shakespeare's Country". C. RAYN SMITH, GREAT WESTERN AND SOUTHE RYS., 500 FIFTH AVE., N. Y. C.

56. PROGRAMME OF CIRCULAR TOURS. O lining a series of tours in the British Isl LMS CORP., 200 FIFTH AVENUE, N. Y.

57. FRANCE. Brochure illustrating the portant and picturesque French cities to visited through the medium of the Railw of France. RAILWAYS OF FRANCE, 1 E 57TH STREET, N. Y. C.

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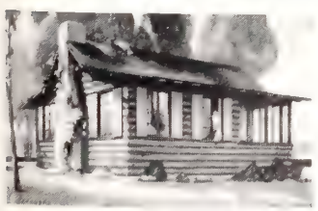


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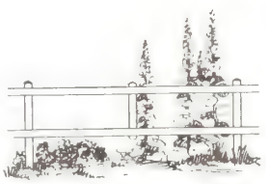


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All improvements
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Remember that golden era when people stayed home nights, children sometimes admitted that Papa and Mama were right, and Aunt Eleanor had a pet Pug that slept by her bed in a silk-lined basket trimmed with pale blue ribbons. Here we have with us three of the 1932 models of Aunt Eleanor's Pug, built on slimmer, faster lines, and so full of plans for a career as to be annoyed by any mention of a sell-in-a-basket trimmed with pale blue ribbons. (Courtesy Sigvale Kennels)

READER QUESTIONS AND OUR ANSWERS

• *It is my understanding that it is possible again to procure a Pug. If this is so, would you say that the present Pug is as sound and healthy as the old-fashioned type?*

• Along with the return of fashions that flourished in the Victoria Era there comes to the top of the canine world, the faithful Pug. Many believe it is a clear demonstration of the survival of the fittest! Nevertheless, the Pug is here and, it seems, minus the objectionable wheeze that the old-fashioned Pug seemed to have.

King William III was one of the first to import the Pug to England. This sponsorship, and the breed's naturally good qualities, had much to do with its being a favorite with the nobility and aristocracy during the latter part of the seventeenth century. In the middle of the nineteenth century, the British commenced to breed the Pug on a systematic scale, until the late Lady Willoughby d'Eresby established the strain of the breed which has been, and always will be known as the Willoughby Pug. This strain is the silver fawn, noted for the distinct trace and very black mask . . . so popular today. A few of the cream colored Pugs were bred and exhibited but did not find great favor.

Along about 1886, through the efforts of another member of the nobility, Lady Brassey, the black strain was created. Then some were imported to America, and the breed flourished here for a while. They were very popular about the time Sousa's "El Capitan March" was a great hit. Later, a fickle American public turned against Pugs, causing the breed to become a back number, until about two years ago, when a few responsible breeders in this country imported some of the best of the different English strains. Now representative specimens of

(*Continued on page 14*)

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All of excellent breeding and type. Note: Dogs at stud.
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Puppies and Show Prospects
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Cocker Spaniels



To own one of these charming little dogs is to appreciate their sweet manner and their natural appealing qualities. They have everything that character implies.
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TOKALON KENNELS
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READER QUESTIONS AND OUR ANSWERS

(CONTINUED FROM PAGE 13)

this breed can be seen at almost any of the large Dog Shows, and it is now easy to buy a smart, healthy Pug.

The present-day Pug represents an improvement on all the good physical qualities of the former Pug and at the same time some of his objectionable features have been removed. Many of the unknowing claim that the Pug is dull and uninteresting. Those who really know the Pug, appreciate him because of his dignified bearing and action, great fidelity, and intelligence. The chief points to look for in the selection of puppies from two to four months old are: short square faces, great wrinkle, short backs, and great bone.

• *Am I to understand it is an unfailing sign that a dog has rabies when it froths at the mouth?* *M. M. A.*

• No, it is not an unfailing sign. As a matter of fact dogs infected with rabies very rarely froth at the mouth. On the other hand, this condition may be due to many causes, including indigestion, or an unwholesome condition of the teeth and gums. We suggest that you consult a veterinarian specializing in small animal practice.

• *Can you give me some information about a law supposed to have been passed recently by the New York State Legislature with regard to the unjustifiable destruction or injuring of dogs?* *P. C. S.*

• Chapter 415 of the Laws of New York, an Act to amend the penal law, in relation to interference with or injury to certain animals, reads as follows:
Section 190-a. A person who wilfully or unjustifiably interferes with, injures, destroys or tampers with or who wilfully sets on foot, instigates, engages in or in any way furthers any act by which any horse, mule, dog or any other domestic animal used for the purposes of racing, breeding or competitive exhibition of skill, breed or stamina, is interfered with, in-

(Continued on page 18)



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Want a pal that's true? Get a pup.
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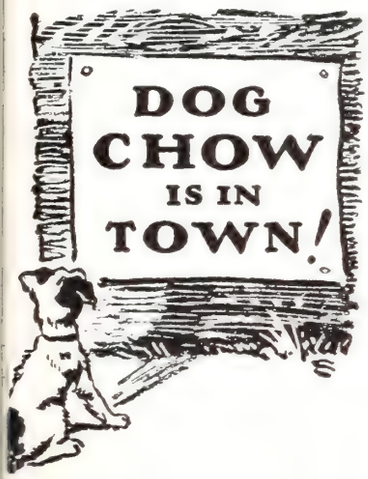
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n't confuse Dog Chow with the ordinary g biscuit. It's different. No baking, for t destroys health-giving vitamins. Ten redients, including meat, dried buttermilk, d cod-liver oil are put together into checkers a special process that preserves all their ural goodness in Dog Chow. Another thing, pounds of Dog Chow take the place of een pounds of meat. It comes in two size eckers. You can get it at your nearby rina Chow dealer.

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me.....
ail Address.....
. of dogs..... Breed.....
aler.....

READER QUESTIONS AND OUR ANSWERS

(CONTINUED FROM PAGE 11)

juried destroyed or tampered with or any act tending to produce such interference, injury, destruction or tampering, whether such horse, mule, dog or other domestic animal be the property of himself or another, is guilty of a felony, punishable by imprisonment in a state's prison for not more than three years.

• *Can you offer any explanation, scientific or otherwise, as to why deafness is so prevalent in white animals?* *Miss M. H. S.*

• Deafness in white animals is not nearly so prevalent as it used to be, for the simple reason that breeders, generally, have entered into an unwritten rule that breeding shall not be done from deaf sires and deaf dams—with the result that deafness has been practically eradicated.

The scientific explanation is that animals deficient in pigment frequently have degeneration or total absence of the small passage in the ear, which is called the cochlear duct. Of course, this simple statement does not explain how the defect arises, and why it should be associated with pure white. The lack of room prevents us from giving it here.

• *Do I understand correctly that a Setter with a dark eye is a more efficient hunter than one with a light eye?* *Mr. M. M. P.*

• While the standards of all breeds condemn a light eye, and make its possession a disqualifying point, the color of the eye has nothing to do with the dog's efficiency as a hunting dog.

Readers' questions pertaining to the selection, purchase, or care of dogs will be answered without obligation by The Dog Mart of House & Garden, Graybar Building, New York City.



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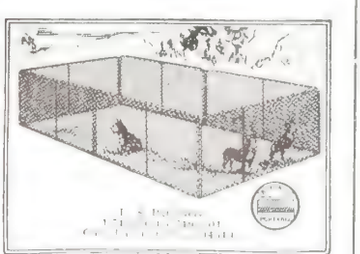


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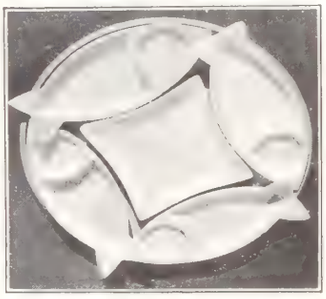
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Statement of the ownership, management, etc., required by the Act of Congress of August 24, 1912, of House & Garden, published monthly at Greenwich, Conn., for April 1, 1932. State of Connecticut, County of Fairfield, Before me, a notary public in and for the State and county aforesaid, personally appeared Francis L. Wurzburg, who, having been duly sworn according to law, deposes and says that he is the Manager Director of House & Garden, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit: 1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, Condé Nast, Greenwich, Conn.; Editor, Richardson Wright, Greenwich, Conn.; Managing Editor, Robert S. Lemmon, Greenwich, Conn.; Business Manager and General Manager, Francis L. Wurzburg, Greenwich, Connecticut; 2—That the Owners are: Owner: The Condé Nast Publications Inc., Greenwich, Connecticut; Stockholders: Condé Nast, Graybar Building, New York; Bennett & Company, % Guaranty Trust Co. of N. Y., 521 Fifth Ave., N. Y.; Crocker Barnock Assoc., Lexington, Massachusetts; Curran & Company, 57 William St., N. Y. City; F. R. Publishing Co., 25 West 45th St., New York City; Montrose Development Co., 420 Lexington Avenue, New York City; Martha Moller, Trustee, 1702 Elmore Place, Brooklyn, N. Y.; Mary Beattie, 12 E. 86th St., New York City; Sillcox & Company, 1 Exchange Place, Jersey City, N. J.; Westover Trading Corporation, Stamford, Conn.; F. L. Wurzburg, Bronxville, New York; 3—That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amounts of bonds, mortgages, or other securities are: The Manufacturers Trust Company, 55 Broad Street, New York, N. Y.; 4—That the two paragraphs next above, giving the names of owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company, but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the condition under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner, and this affiant has no reason to believe that any other person, association or corporation has any interest direct or indirect in the said stock, bonds or other securities than as so stated by him. Francis L. Wurzburg, Managing Director. Sworn to and subscribed before me this 6th day of April, 1932. Kathleen P. Stevens, Notary Public. My Commission expires February 14, 1933.

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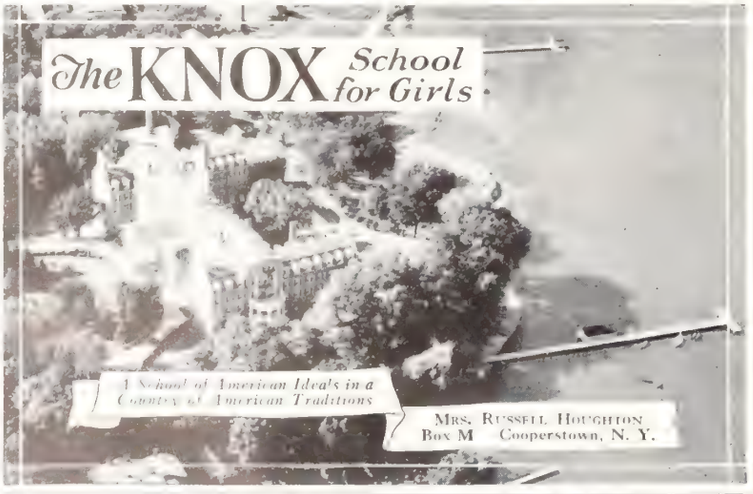
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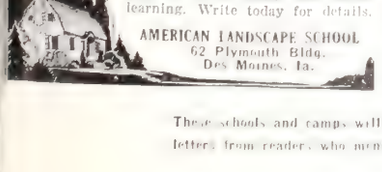
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THE BULLETIN BOARD

THE REBELLION AGAINST JUNK. On all sides are signs that people are rebelling against junk and shopkeepers will shortly awake to the futility of trying to sell it. There is a decided movement on foot to acquaint purchasers of merchandise with the facts whereby they can tell quality in any given object—quality in furniture, fabrics, and clothes. People are beginning to realize that there is a limit below which quality merchandise can be manufactured and sold, and they are no longer to be taken in by ridiculously low prices. Good manufacture is worthy of its hire. Good merchandise is worthy of its price.

A CHAUCERIAN PRELUDE. Our collection of old verses to carve above a garden gate is growing apace. Here is one from Chaucer:—

Through me men go unto the blissful place
Of the heart's heal and deadly wounds' cure,
Through me men go unto the Well of Grace
Where green and lusty May doth ever endure;
This is the way to all good adventure;
Be glad, thou Reader, and thy sorrow offcast,
All open am I, pass in, and speed thee fast.

BULL MARKET IN STONES. The skeleton of any real Japanese garden is composed of stones. Each of these has a name and an attribute, sometimes poetical, sometimes moral. Some of the stones are feminine and passive, others masculine and active. On large places no less than 138 of them are used and the minimum for the smallest garden is five. As the Japanese deeply appreciate the beauty and associations of all kinds of rocks, they travel long distances to find them, take no end of pains to transport them safely back to their gardens and often pay huge sums for very choice specimens. At one time in the past century the craze for beautiful rocks reached such extravagant heights and people were paying such prodigious sums for them that in 1830 an imperial edict was issued to limit what one might pay for a stone.

THE MILLINERY OF DECORATION. [illegible] tip, perhaps, from the hats that women have been wearing, lamp shades, which might be called the millinery of decoration, seem to be going frivolous. Real lace and paper lace adorn some shades. Pleats swirl around others. Drapery effects and even feathers are used as trimming. Punchwork and perforations make unusual designs and we have even seen lampshades decorated with buttons in military effect.

WE HEAR THAT Epsom salts [illegible] around Rhododendrons three or four times a year will give the soil the proper acidity. A light powdering will be enough . . . Super-phosphate will encourage Wisteria into a blooming mood. . . . A small quantity of phosphate applied to Snapdragons and Marigolds [illegible]

ENSEMBLE FOR SUMMER BEDS. A world of newly created equipment will tempt women to deck their beds afresh for summer. Into moth bags will go heavy winter quilts and blankets and out will come lightweight, open-weave blankets and comfortables covered in delectable silks and cottons and filled with just the right amount of light, pure down or wool to give extra protection against coolish nights. The new blanket colors include clear pale pastels, some rich darker shades variously called cedar, mahogany, redwood, and fuchsia, and the unbeatable white. Summer bedspreads reflect a strong provincial influence in old-fashioned coverlet and hand-woven, hand-stitched effects. The fine cotton percale sheets which are becoming more and more generally used are admirable for summer, and a third sheet makes an extra covering on warm nights.

A DELECTABLE GARDEN. One of the most interesting figures of the 16th Century in France was Bernard Palissy, a liberal in mind, an artist in ceramics and a poet in gardening. So it is a real joy to find that his *Delectable Garden*, which, by the way, is the earliest French essay describing a garden, has been translated for the [illegible] by Helen Morgenthau Fox. She has accomplished it with sympathy, scholarship and a delicacy of phrasing that is both faithful to the original text and well deserving the beautiful raiment of typography and binding with which Crosby Gaige has surrounded it.

CONVIVIAL FURNITURE. To the long list of evils for which the "Noble Experiment" is held accountable we wish to add a new item. A smattering of familiarity with furniture and decoration had led us to think ourselves pretty sure of the identity of such pieces as were brought to our attention. Twice recently, however, this assurance was very rudely shaken. The first occasion was when a Spanish chest we chanced to admire turned out to be a refrigerator crammed full of features warranted to produce conviviality. The last straw was the sight of a proud host sliding his Georgian mantel away from the wall to reveal glass-laden shelves below [illegible]

AUTHORS AND ARTISTS. Mrs. William A. Cary, who describes the three-flower arrange[illegible] is a prize-winner of prizes at flower shows. She has also gained fame through her lectures on this floral art. . . . Joseph B. Platt, who gives us glimpses in color of the McCann garden on pages 50 and 51, is welcomed back to the pages of this magazine after several years' absence. . . . George H. Allen, who writes the biography of Mr. Bernard Baruch's hunting lodge, is getting quite a reputation for that sort of thing.

P[illegible]
[illegible] and love and [illegible]
for [illegible]
to [illegible]
as [illegible] edited by [illegible]
of the Poetry Society of [illegible] St. [illegible]
W[illegible] who [illegible]
Garden Club [illegible]

There [illegible] this one merits the gold star, with two extra little silver ones, for [illegible] The editors have [illegible] foreign selections, [illegible] and [illegible] which has led to the [illegible] especially [illegible] with all the quality of *The Oxford Book of English Verse*, and [illegible] their [illegible] by the [illegible] tions that have [illegible] poets whose work appears. You may turn to it with full confidence that here is a real and much needed contribution to the varied literature of gardens.

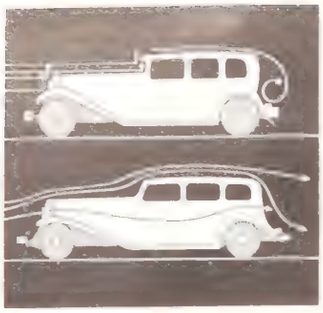
FROST AT MIDNIGHT. Of [illegible] such a fine anthology as the one spoken of above we are bound to miss some of our favorite lines. Here is a passage of Coleridge's *Frost at Midnight* that [illegible] lines one might write to *the* woman who gardens:—

Therefore all seasons shall be sweet to thee,
Whether the summer clothe the general earth
With greenness, or the red breast sit and sing
Betwixt the tufts of snow on the bare branch
Of mossy apple tree, while the [illegible]
Smokes in the sun-thaw; whether the eave-drops fall
Heard only in the trances of the [illegible]
Or if the secret ministry of frost
[illegible]
Quietly shining to the quiet Moon.

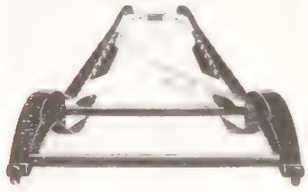
REPAIRS AND UPKEEP. [illegible] become obsolete, avoid the false economy that keeps putting off the making of necessary repairs. There is no temporizing with decay. It spreads fast. Tomorrow its prevention will cost more than it costs today. The householder cannot afford to pinch pennies when the roof leaks or the cupboards need paint or the [illegible] lame. These are essential investments that cannot be avoided even in times of stress. Besides, by keeping your house up in a good state of repair, you are giving work and sustaining your own self-respect.

ST. [illegible] page are shown two delightful bird feeding stations in which the principal figure is St. Francis. This association of the Porvello and [illegible] is [illegible] the oldest life of St. Francis, written by his companion, Brother Leo. The bird he seemed to love best was the crested lark and on the night before he died a great multitude of them circled around the roof of his cell sweetly singing. The other association is his injunction to mayors of cities and towns and lords of castles to scatter grain along the roads on Christmas day so that the larks and other birds should have whereof to eat and would thereby be given cause for rejoicing.

St. Francis also made a remarkable suggestion for the planting of gardens. Too long to set down here, we shall leave it for another time.



● The X-Dual frame in all models is the last word in frame design—really two frames in one—super-rugged, super-rigid. It resists road twist and road shock—materially lengthens life of chassis, motor and body.

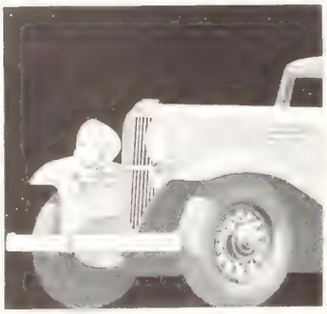


● Nash Ride Control is *completely* control. The exact degree of shock absorber action to suit road, load or temperature, is immediately available by a flick of a handy control lever located on the instrument panel.

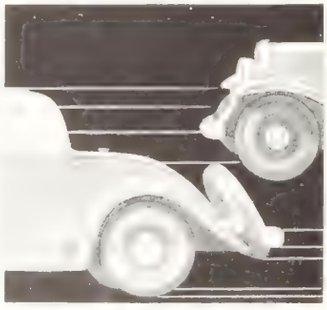




● The new Nash cars hug the road. They are lower, longer, wider. Silent Underslung Worm Drive in Twin Ignition Eights lowers height and weight nearly three inches without decreasing headroom or road clearance.



● Nash Slip-Stream body design includes a smart V-radiator, slanting, no-glare windshield, Slip-Stream fenders, fenderlights, headlamps, tail lamps and Beavertail back. *Completely*, not partially, Slip-Streamed.



● One of the finest characteristics of these new Nash cars is willingness to step out and go. Marvelously powered motors—with both pistons and connecting rods of Bohnalite aluminum alloy—are the reason.

THE LAST WORD ON WHAT'S NEW IN MOTOR CARS

THE EXPERTS are saying great things of the new Nash. Undoubtedly it is due to the fact that Nash has stepped out ahead and brought out cars so sharply different from the conventional cars we've always known.

Gossip among those who are up-on-everything in motordom mentions most frequently, the Silent Underslung Worm Drive by which car weight and car height are brought nearly three inches lower without sacrificing head room or road clearance.

We hear, also, that Nash has widened the tread at the rear to get wider seats and a finer road-hug at high speeds. These cars, they say, are actually wider than their elevation. It seems incredible.

And the new Nash profile really makes one wonder why cars ever were built with tower-like dimensions, flat front radiators, vertical windshields and perched-up backs. From V-radiator to "Beavertail" stern, the lines of these Nash cars simply flow. And the air flows, too, along the "Slip-Stream" body lines, avoiding wind resistance, increasing speed.

These Nash cars are not only lower, but also longer, more powerful and extremely quiet. They have Ride Control, full-range and dash-adjustable. They have an X-Dual frame, said to be the most rigid and twist-resisting ever built for any car. Completely sound-proofed bodies. Twin-Ignition. Synchro-Shift silent gear selection. Silent Second. Synchro-Shift Free-Wheeling. Aluminum alloy (Bohnalite) pistons and connecting rods.

This reads like a catalog of all the excellence any motor car could possibly have in its make-up. Probably nothing would please the Nash dealer more than to have you be the judge.

NEW NASH

BIG SIX	STANDARD EIGHT	SPECIAL EIGHT
116-inch Wheelbase	*124-inch Wheelbase*	*128-inch Wheelbase*
$777 *to* $935	$965 *to* $1095	$1270 *to* $1475

ADVANCED EIGHT	AMBASSADOR EIGHT
133-inch Wheelbase	*142-inch Wheelbase*
$1595 *to* $1875	$1855 *to* $2055

All Prices f. o. b. Factory



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HOUSE & GARDEN

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MARGARET McELROY, ASSOCIATE EDITOR • JULIUS GREGORY, CONSULTANT







WHO IS WHO IN HOUSE & GARDEN



When yellow supplements the red

FROM the Acacia's floss-like yellow flowers and finely cut foliage the flame red blossoms of Clivia sweep out and down in a bold cascade accented by the large, deep green leaves. This arrangement by Mrs. Cary was a prize-winner at the International Flower Show last March. Other groupings by the author are shown opposite

Fire tones in flowers will cheer the coming guest

By Katharine T. Cary

A CHANCE remark from a fellow exhibitor that "if men are to judge this show we'd better make a red Flower Arrangement" started these thoughts on the effect of color as a stimulant, for I found that the thermal (warming) colors—red, yellow and orange—had a strong effect on both men and women.

Everyone acknowledges nowadays, I believe, that color exerts an immense influence upon health in all its phases. During the past two years of depression we have noticed that luncheon and dinner parties (or even plain nights at home) went off better if red, orange or yellow flowers were used for table decorations. The mental stimulus was so marked that I looked for its cause in some medical books on color therapeutics, and found my observations were substantiated by physicians and directors of various institutions, who wrote of hundreds of experiments with patients who were helped by the use of color.

Whether these cases relapsed after being removed from the colors with which they were tested none of the medical books related, nor do I know the after effects upon my own guests when they tumbled into bed in their own homes after my red and orange dinner parties. Did they toss all night, as from an overdose of caffeine, or was there a soporific reaction? I do know that during the hours of red stimulant they were much nicer to talk to and be with, and all of them are still alive today.

Red is the color of the center of fire, in reality and poetry.



STILL LIFE IN RED



TULIPS AND BELOPERONE

It stimulates, warms and animates, because it really increases the activity of the arterial blood. Yellow, which suggests the luminosity of the sun and the heart of a flower, acts principally upon the nerves. Orange, being a combination of red and yellow, acts upon both nerves and blood. Blue, which is not a thermal color, gives a feeling of coolness and soothing, and for this reason is used to tone down the other colors. It suggests still shadows and quiet pools, with the peace of mind which goes with them.

The three flower arrangements here given are attempts to illustrate the use of red and yellow. The large illustration of Acacias and Clivia is placed in a salmony-orange Italian glass vase. Clivia, so named in honor of the Duchess of Northumberland (the Clive family), is the Kafir Lily, and is a South African herb with fleshy roots. The leaves are long, thick and deep-green—and both flowers and leaves last a long time in water, as the buds constantly open and provide a good succession of bloom.

The still life at the bottom of this page was of a more exciting color than any camera could capture. The flowers are St. Brigid Anemones, with the purple leaved *Berberis verruculosa* (native of West China) in the background, and purple and yellow Pansies at the sides, while in the center of the bronze bowl are bright red and mahogany Madam Perret Pansies to tie the scheme together. The beads are oriental orange and red amber, and the whole is placed on a brilliant red velvet table cover.

The arrangement of intense red and yellow Tulips with sprays of *Beloperone guttata* is placed in an old Chinese pewter vase. The long black anthers of the Tulips give the effect of strong black dots in the center of each blossom. Beloperone is merely put in to give height to the composition—which the Tulips need.

It is to be hoped that the reader will not become overstimulated by these three illustrations of thermal colors. If so, a perfect antidote will be found by looking out of the window at a blue sky or a green field, thereby returning to a normal state at once. It is my desire, however, to tempt many to "see red" with me, for in red one may find the stimulant which gives refreshment!

Dressing a country house with cool color schemes



CHOCOLATE, WHITE AND BLUE



BLUE, WHITE AND RED



SCARLET AND BLACK



WHITE AND EMERALD

A CHOCOLATE, white and [illegible] paper inspired the scheme opposite, left; blue linen curtains, beige leather couch. Next, blue and white wall paper, white curtains, scarlet edged, red settee in white toweling, blue organdy table

SCARLET [illegible] in blue are brilliant against the cool delphinium blue walls in the living room at the bottom opposite. The 19th Century gros point rug is in natural colors; 18th Century Italian furniture

WHITE [illegible] der, green trim and spread, yellow curtains, green border [illegible] These rooms in Cincinnati were decorated by Urban Morgan & Charles Seyffer



WHITE, EMERALD AND [illegible]

With the garden maniacs



MANY people not directly interested in gardening are apt to look upon this innocent diversion as a mild species of mania and its followers as maniacs—harmless, to be sure, but maniacs nevertheless.

They watch the innocent faith with which these gardeners plant seeds and bulbs. They listen to their rhapsodizing over horticultural accomplishments. They see them slave from sun-up to sun-down in all kinds of weather, battling against all manner of pests and diseases. They hear of them paying prodigious sums for fertilizers which they promptly bury in the ground. They see them frantically working at flower shows and submitting to endless talks at garden club meetings with the patience of saints. Outsiders, contemplating these garden maniacs, are apt—and justly—to ask, "Who's looney now?"

OUR MADNESS begins with our sublime faith in things coming up. We place bulbs and seeds in the ground, sound and unshaken in the belief that they all will germinate and flower, that, by some miracle, moles and mice will avoid them and their young growth be spurned by disease spores that assault the roots. We believe we bet on sure-things. Now betting on a sure-thing is always a form of madness. It is also no sport.

After several years of gardening, anyone will acknowledge that it is not a sure-thing bet. Trees are apt to leaf out with regularity. Bushes seem to defy the fates and bloom at an appointed season. But perennials and bulbs have a way of disappearing that should shake the faith of the most ardent gardener. Yet we go on believing and planting and planting and believing!

People today are searching for a sure and certain investment for their time, money and effort. They hope for dividends. Gardening pays dividends, but not always in the way one expects. Only a superman could definitely be able to say which is the surer of paying—any one of a dozen kinds of bulbs and plants or a bale of any one of the investment trust stocks. It may be this uncertainty that adds to the general madness of gardeners, but surely their madness is no greater than that which is indicated by the sublime faith of other types of maniacs.

THERE is another quaint notion that indicates madness in gardeners: the belief that the act of gardening will fill them with heavenly and beautiful thoughts. Once on a day I, too, believed this. I believed that as I gardened the sublime harmonies of Nature would engulf me and awaken noble sentiments and I would go indoors at night and set down these thoughts in inspired words for all and sundry to read. Quite the opposite happened. Though my hands would be busy all day long, from the neck up I was completely blah! No thoughts came. No noble sentiments surged through me. By night-fall I was merely very tired and very dirty.

Many people in these depressing times say that they mustn't think. Permit me to recommend gardening to them. Through this diversion of the harmlessly mad they can enter and remain in a state of complete and comprehensive cerebral inertia.

ANOTHER indication of madness in gardeners is that they are afflicted with a strange jealousy. One might think that their mutual interest in horticulture would place them all on the same footing and assure a camaraderie between classes. This usually happens when a group of people are devoted to the same interests. Not gardeners. Let a lucky fellow grow a *Helianthemum halimifolium multiflorium* bigger and better than his neighbor's *Helianthemum halimifolium multiflorium* and the war is on. Let even a Dahlia surpass in size his neighbor's, or an ear of corn, and he is set up so far above his fellow as to be untouchable.

No greater snobs exist than those very learned gardeners who come to visit your humble yard and refer to every plant by its botanical name. You may have been proud of your Sweet Gum Tree and enjoyed its embracing shade on hot days, but there'll be blood in your eye when a visitor dismisses it casually as *Liquidambar styraciflua*. Most of us gardeners know all the arguments in defense of botanical names and yet we are just sentimental enough to call Arums "Ladies and Gentlemen", and Viburnums "Snowballs", and Nigella "Love-in-a-Mist".

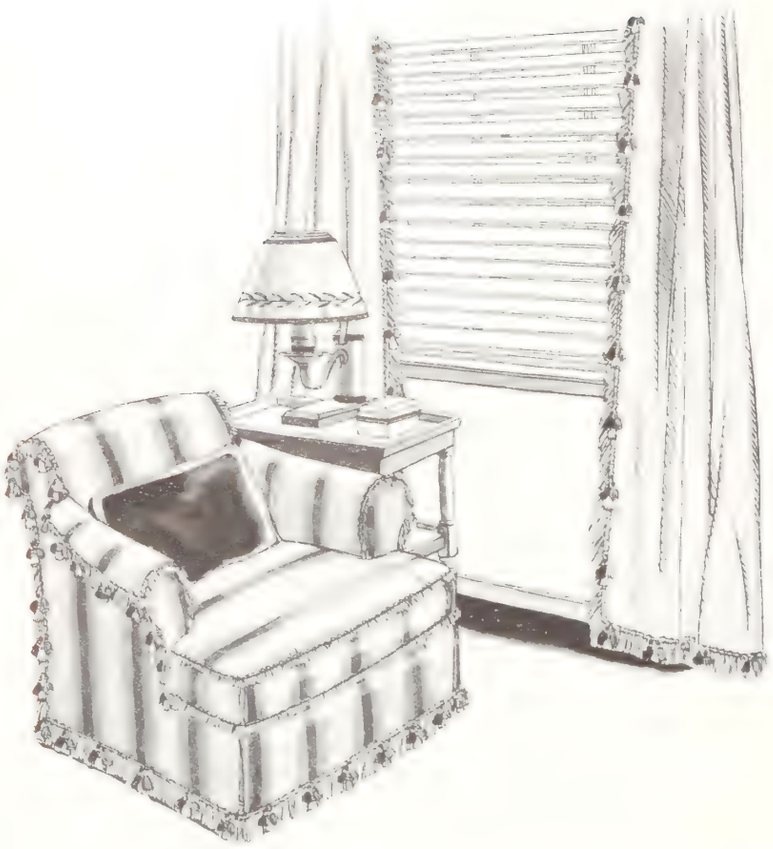
SOMEONE has said, "There is a pleasure in being mad which none but madmen know." That pleasure, at least, the gardener possesses. Nor can he or she be expected to explain it. It can only be derived by indulging in the same madness. No amount of imagination or poetic imagery can convey the happiness experienced by those tired and dirt-soiled garden maniacs when they stand before the flower or the tree or bush their labors have brought to ultimate fruition. It is a complete severance from the delights of all other worlds and from the allure thereof. It has a way of making them humble although they may appear inordinately proud. It makes them silent although they should be shouting. It casts over them a sort of nostalgia, an unutterable homesickness for some far place beyond their comprehension and yet not beyond desire.

Behold them then, these madmen, with the perfect Eggplants in their hands! Or the perfect Rose. Or the stalk of Larkspur towering above their heads. In such an hour they attain a flowery Nirvana that puts them beyond the worries which assault the rest of us. They have shaken off the bondage of a world that was never worth the winning anyhow. And in their presence, how small seem those of us who cannot enjoy their madness!

—RICHARDSON WRIGHT



Reeds and rushes by the waterside





LINDSEY colonial is a modification of a well-known pattern in an interesting satiny texture. Marshall Field. Below, A [illegible] meier contingent, right. Tête [illegible]

CRÈME de coco (lower left) is [illegible] of creamy satin (Schumacher) [illegible] of chair covering and curtains [illegible] pipings.

DIRECTLY below is Manhattan Cocktail, a chair covering with a smart modern flavor. It is made of a handwoven, heavily corded, white cotton, applied [illegible]. Jones & Erwin





Refreshments for chairs--

House & Garden offers seven

potent recipes for slip-covers







A recipe for [illegible] and [illegible] of [illegible] little [illegible] [illegible] [illegible]

Rose is a [illegible] [illegible] [illegible] [illegible] [illegible] Pod [illegible] [illegible] [illegible] [illegible] [illegible]

Chintzes, below, is of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

ESIGNED FOR HOUSE & GARDEN BY

RACE HUTCHINS AND REBECCA DUNPHY







Iron unbends to grace garden or lawn

A HUGE bamboo umbrella shades the Colwell iron furniture. The cobalt blue Chippendale chaise longue is cushioned in white leather, bound in blue. Behind is an 18th Century white bench. From the Ehrich Galleries. Blue pottery elephants make striking tables. Japanese Fan Co.



WHERE SPACE IS AMPLE

down over the edges, those upstanding enough to reach a few inches above the top of the box, and those taller growing ones which will form a suitable background for the others. Good combinations for summer and fall are:

For southern and eastern exposures: 1—Geraniums through center from end to end of the box; dwarf blue Lobelia for front edging; Ivy Groundsel (*Senecio*) to trail over outer edge; Tradescantia for inner edge. 2—Geraniums and Dracena alternating down the center; dwarf Sweet Alyssum and dwarf blue Lobelia alternating around the edges; Black-eyed Susan (*Thunbergia*) in front of the Geraniums, trained to hang over front edge; Tradescantia for inner edge. 3—Lantanas through the center; Coleus in front of them; *Alyssum maritimum* to trail over outer edge; Pteris Ferns for inner edge.

For northern and western exposures: 1—Fuchsias through center; English Ivy over outer edge; Pteris or Maidenhair Ferns along the inner edge. 2—Flowering Begonias (fibrous-rooted) through center; English Ivy or Ivy Groundsel (*Senecio*) to trail over outer edge; Tradescantia for inner edge. 3—Rex Begonias through center; *Vinca alba variegata* to trail over outer edge; Pteris Ferns for inner edge.



The back-road lady of geranium red

By Agnes Foster Wright

I used her house nearly every time I drove my roadster to and fro on the back way to the station. I felt I'd like her, because she did live on the back way to the station. She'd chosen to live there. As one might easily have seen, she could have lived on the main road, where the houses were quite grandiose. For her house had nothing of the cheap and tawdry and jerry-built. She had money, when she built that house. That woman had preferred back roads—muddy-in-spring back-roads—but heavenly-in-summer back-roads.

I also felt I'd like her because she had a passion for geranium red, for so have I—that geranium red that takes the prizes at Horticultural Exhibits of Carnations. It's a red that's made with flake-white and red—not a hot red, but a white red. She had rows of red Geraniums in pots, around the semi-circular low white brick wall.

And then, by luck, as I drove home one sunshiny morning by her little back-road place, there she was, doing nothing, looking nowhere and making for me the most entrancing picture—geranium red shoes, a white dress, short and trim, a floppy white hat with a geranium band and lips and nails to match.

I backed my gray roadster to the gate and said "Well—good morning" and she waved a good morning and clanked her four geranium red bone bracelets for good cheer. I asked if I might buy a pair of her flower pots to hang out from my windshield, as they hang flower pots from balconies in Seville. She laughed—"Don't be silly! If you are geranium-hearted get out and come inside." Thus began my visit to this lady of taste and refinement.

The front porch had a red spindle-backed bench, comfortable enough for sunning oneself, against the white plaster porch wall and glistening, as only red can against white, in the sun. Two little red tôle lanterns were on either side of the door and the door knocker was of Chinese design—a red Buddha, who thumped his fat stomach as you knocked for entrance.

The little entrance hall had a white painted floor, with many coats of spar varnish to protect it. A ridiculously Victorian wall paper border valance served as a cornice. Flanking the entrance to the living room was a pair of diamond shaped mirrors framed in red, suspended by white watered ribbon. The stairs, which went up from one side, had red bannisters and a polished flat black rail. Gay bird pictures went up the stair wall, each with a red flashing bird, almost like a slow movie, the bird shown in all positions. The frames were red with mirror mats.

On the living room floor was a Japanese matting of no pattern, but here and there were hooked rugs with red borders or red centers or both—conventionalized designs—no flowers. The looped-back curtains were red with white polka dots. I'd seen them as I'd driven by, for the windows were generously wide and long. My hostess, too, loved the sun and found it hateful to shut it out. Over the curtains were valance boards painted red, with a flaky white rope border [illegible] turning shop.

In the center of the room was a round drum table, and as a focal point in the middle was a large flat pewter dish with such an array of beautiful white coral branches and trees as one sees at Montego Bay, through the glass-bottomed boats of the natives. It was like a bouquet. Something not fit for the dust of New York, to be sure, but for a back road to the station—perfect. And what woman does not like to get a basin of hot suds and use up her old tooth brushes for the worthy cause of a coral bouquet?

Gay flowered chintz covered chairs and dumpy, comfy sofas on which were geranium red plain chintz cushions gave the room the be-seated look we both liked so well. She had picked up in English auction rooms and on the Third Avenues of the world several papier-mâché tables, some inlaid with mother of pearl but always with the red.

The walls were partly whitewashed and partly white wood paneled. Lamps were white with shades she'd made herself, edged with red balled fringe. She didn't mention depression, nor did I; but the evidence of inexperienced handiwork bespoke the sad Fall of 1929.

Two built-in bookcases occupied the wall either side of the fire-place but there were no jarring, lurid murder mystery book jackets to cheapen this room. I drew close to inspect. The books were all jacketed with white book linen, and printed on the backs were the titles—and bless her—in geranium red. "These are cool and pleasant to handle, you know, and sticky fingermarks can be washed off." It was a pleasant thought, as I recalled chocolate cake eating nephews besmearing my own best sellers and leaving a horrid feel behind.

And over the mantel was the link between us, as I found she had done just as I had one long winter in Amsterdam where we both found we had been to school. There it was, a lovely Dutch flower painting, rich and dark with shadowy, indeterminate outline but brought forth into such gayness of life with flower after flower of geranium red. Without that red—what a dull thing! We put our ten fingers over the twenty red flowers and the bouquet died as though it had wilted under our hands. Even her red nails didn't save the day. Always I had looked for the red in those Dutch bouquets; even pasted bits of paper over copies and then grew to love more than ever that favorite first choice of all childhood—red-red.

Beyond the living room was a small game-room. By one window was a bridge set-up—four Spanish peasant chairs, the kind a fat man can lean back in to laugh at the fat girl's story; and by another window a black and red backgammon set-up—two adorable smallish chairs covered in black chintz with red buttons and bindings. There they sat, each group inviting one to play at odd moments or for long sessions. The walls (*Continued on page* 70)



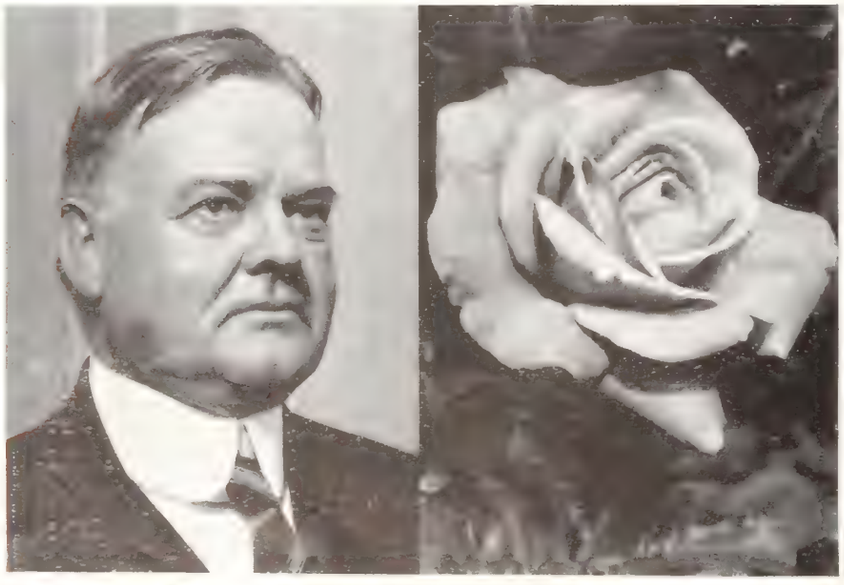
Treadwell

Black and white in the grand manner

Seldom have black and white been used in a ballroom as they are in the Music Room of the Chinese Office [illegible] the white walls and ceiling, the white marble mantel, the chandelier and [illegible]



MISS ELLEN TERRY— AND HER NAMESAKE



PRESIDENT HOOVER THE PRESIDENT HOOVER ROSE



MRS. PIERRE S. DUPONT MRS. DUPONT'S ROSE

Selected roses and their patrons · By J. H. Nicolas

WOULD that some superior power might decree a holiday on Hybrid Teas, for then we would see a tremendous progress in Roses. As the situation is now we can't see the forest because of the trees! The so-called novelties of the same type come so fast that we cannot assimilate them and some real good ones are overlooked like the proverbial needle in the haystack.

The French Rose Society has a rule that no Rose can be officially recommended until it has been five years in commerce; it is a standard fixture of the Society's annual meetings to review Roses five years after their dissemination and it is interesting to see how very few survive the probation period. Under that rule we would review the 1927 output, and of the 168 novelties reported by the American Rose Society Annual we find the following really worthwhile; the rest have already fallen by the wayside or are fast headed for the discard:

Hybrid Teas: Chas. P. Kilham, Dame Edith Helen, Director Rubio.

Polyanthas: Golden Salmon.

Climbers: Mme. Grégoire Staechelin. If that wonderful Climbing Rose (the name of which has fortunately been abbreviated by the originator himself to "Staechelin") was the only survivor of the year, 1927 would still go down in history as a great year, a "vintage year".

A few varieties had beautiful flowers, but on miserable plants. Furthermore, because of constitutional defects, addiction to black spot, die-back or uncouth plant habit, they have taxed our patience and are waging a losing fight for a continued popularity which they do not deserve. Among such varieties are Duchess of Atholl, Mari Dot, Mrs. A. R. Barraclough, Lady Margaret Stewart, etc. Cuba and Norman Lambert are flashy, but their flash vanishes as soon as the sun goes up and they present a sad show for the rest of the day. Joyous Cavalier is good but it is more a shrub than a bush and it is hard to place; it should be used as specimen but does not belong to a Rose bed unless it has the space all to itself in masses to make a low screen; as hedge material the Cavalier has no equal. The rest of the batch are but duplications, most often inferior, of already existing varieties.

If we waive the period of five years and glance at the crop of 1928 (185 new names reported by the American Rose Society) we find some outstanding varieties which will make a long stay with us:

Hybrid Teas: Daily Mail Scented Rose. This would be the most perfect dark red Rose in existence if the plant was more vigorous; it won the $5000 cup for the most scented Rose.

J. C. Thornton. The bloom is not a top-notcher, but its production is astonishing and makes it valuable as a red bedder.

Lady Forteviot. The gold, orange and carmine combination is marvelous, and it would be one of the finest Roses in the world if it had ten petals more.

Mrs. G. A. Van Rossem. I prefer this to Talisman.

Miss Rowena Thom. The best pink of several years.

Margaret McGredy. Which had displaced Cuba, Padre Queen Alexandra and really is a good Rose.

Talisman needs no introduction.

Bengals: Frau Dr. Schricker, a very beautiful self-pink heavily perfumed.

Polyanthas: Brilliant Echo, a dwarf of the Tausendschoen tribe.

Climbers: None worth a mention.

That year was remarkable for the reappearance of the Bengal class, nearly as hardy as Hybrid Perpetuals, always in bloom and perfumed, far better for bedding than the average hybrid tea and of great value in the cold winter regions. Another worthwhile Bengal is Hofgartner Kalb.

The merit of a Rose is not always in direct relation to the noise made by merchants and some of the finest ones remain unknown although superior to blatantly advertised ones.

Were I to plant a Rose garden, it would include the following varieties which I consider indispensable and superior to similar ones now advertised.

White: Clarice Goodacre, Grange Colombe.

Yellow: Ellen Terry, Lady Craig, Pax Labor, Richard E. West, Souv. de Mme. Boullet.

Copper: Ariel, Mrs. Dunlop Best.

Salmon: Mama Lamesch.

Pink: Anne, Ethol Somerset, Felicity, John Cook, Konigan Carola, Pink Beauty (much better than Radiance), Lady Alice Stanley, perhaps the best of all.

Red: Captain F. Bald, Chas. K. Douglas, Friedrichsruh, Hortulanus Bobb, perhaps the

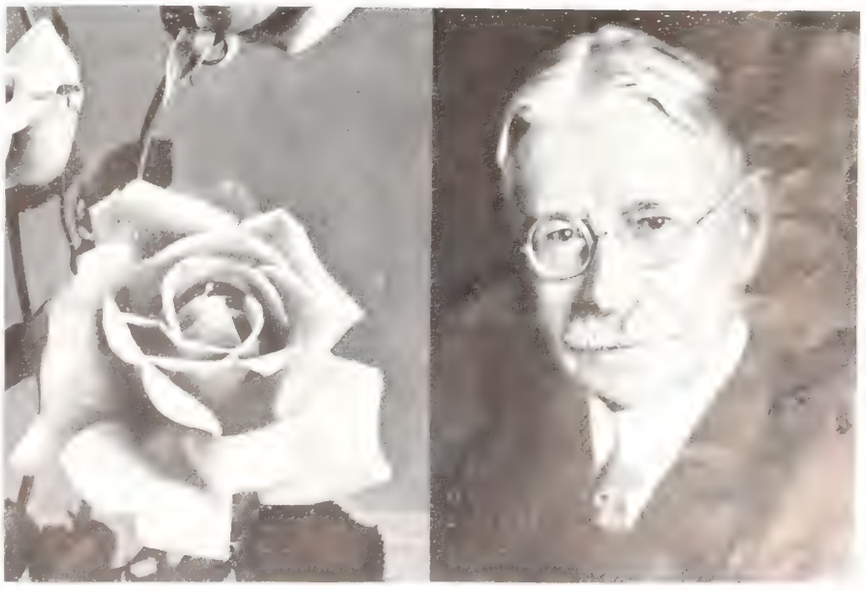
(Continued on page 7



RICHARDSON WRIGHT IN BLOOM— AND IN THE BUD



LEONARD BARRON'S ROSE MR. BARRON HIMSELF



THE ROSE NAMED AFTER—



In the walled garden of Goethe

WHEN visitors arrive in Frankfurt am Main today they go to see the great German author's 18th Century home as inevitably as, in Paris, they would view the Arc de Triomphe or the Louvre. Here in the garden which is so closely linked with the house is one of the characteristic old stone fountains



Dr. Paul Wolff





VARIOUS views of Goethe's garden present interesting studies in the combination of different materials. Considerable emphasis, of course, is laid on masonry and stone flagging. The actual soil space here is not great, so recourse has been had to many potted plants such as Hydrangeas and Lily

Quiet nooks where the birds of the garden can eat, drink and be merry

THE [illegible] stand and fountain, right (both from The Greenwich House Pottery), were designed by Maxine Maxson. The figures are in glazed terra cotta and the birds [illegible]

THE OTHER feeding stations won New York Flower Show prizes. They were entered by Mrs. Roger Fagan, Garden City; Flushing Garden Club; Larchmont Garden Club; Mrs. Carter Leidy









What's new in building and equipment

These recent developments will interest home owners and builders · By Gayne T. K. Norton

ENAMELED STEEL WALL TILE. Styled to meet the present day demand for colorful walls in the home, a tile of enamel fused on steel is a new offering. Soft, delicate pastel shades of several tints have been developed by experienced colorists so that any two will blend harmoniously. For those interested in modern design, glossy black tile in combination with units of gleaming stainless steel are suggested.

Much of the household equipment in modern homes is finished in steel which has a coat of colorful enamel. The same type of steel body, whereon vitreous enamel is fused, is utilized in this product which is recommended for application on side walls. The fact that vitreous enamel and steel possess the same rate of expansion and contraction is cited as a guarantee against cracks, crazes or checks. The smooth, matt finish repels dust and grime. These tiles may be washed with ordinary soap and water.

A specially grooved foundation board of felted wood fibers is supplied as a base for the tiles. The board may be readily installed by any carpenter over new wood studding or old plastered surfaces, provided they are in good condition. Criss-cross grooves in the foundation sheet receive flanges of tiles and make tiles self-locating. After tiles are cemented in place, the spaces between units may be filled with a special grouting. These tiles are manufactured by the Youngstown Pressed Steel Co. in two standard sizes, four and one-half inches square and three by six inches rectangular, with special shapes to complete a job. The thermal insulation board on which the tiles are mounted is said to reduce condensation on walls and make rooms more comfortable during winter.



HOUSEHOLD VENTILATOR. Pull off the hot blanket of depressing air in the attic of the house just above the sleeping rooms with a ventilator fan, we are told, and the bedrooms will be cooled on the most torrid summer nights. A 12 inch diameter fan which occupies but a foot or two of space in the attic may be built into an existing dormer or gable window, or placed behind a small screened and louvered opening. The fan, a product of the Ilg Electric Ventilating Co., is said to work quietly and efficiently and operating costs are but a few cents a day.

A compact humidifier unit, made by the same company, has a water receptacle for a base, while the top portion houses a series of absorbent plates or pads which are kept wet by capillary action. The amount of wet surface exposed to the air is thereby multiplied many times, greatly increasing evaporation. During winter months, when heating plant is in operation and air in the house is dry, this unit may be filled with water and an ordinary electric fan set to blow through it, so moistening the air. This unit is made in three sizes to correspond with standard fans. Evaporating capacity ranges from 12 to 60 quarts of water in 24 hours, depending upon the size of the unit.

OIL BURNING BOILER. Built exclusively for oil burning, a cast iron boiler has just been placed on the market which, we are told, offers all the advantages of this modern fuel with maximum economy when equipped with any good standard make oil burner of proper size. Both gun type and rotary oil burners operate with equal efficiency in the boiler. Without opening the fire door performance of the oil burner may be observed through a special observation port.

The combustion chamber is designed and proportioned to provide for complete combustion of oil and maximum absorption of the radiant heat generated by the burning fuel. Hot gases from the flame are required to travel back and forth through flue passages and around water portions until the fullest amount of heat has been extracted.

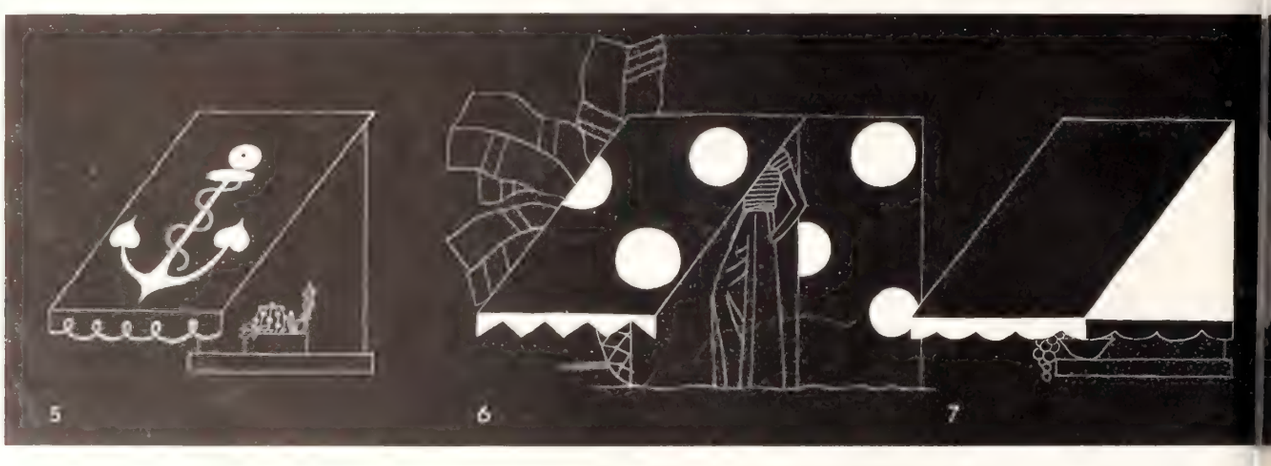
Stack control mechanism is located in the lower flue gallery, providing almost instantaneous response and ensuring absolute safety of operation. Exterior metal jacket, finished in chrome green, is a scientific heat insulator of the finest type. Lined with improved "asbestocel," one and one-quarter inches thick, it is scientifically calculated to minimize radiation heat losses. The boiler is manufactured by the American Radiator Co. in four sizes, for both steam and hot water heating systems. Interchangeable front and rear frames accommodate any type of oil burner which is to be installed. A special tapping provides connection to hot water heater.

IMPROVED WALL BOARDS. A light weight fiber wall board, said to be sufficiently fireproofed to check and hold fire within the confines of the area it encloses, is one of several products recently offered for the use of builders and home modernizers. When applied in conjunction with the fireproof cement provided as a joint filler, the resulting smooth wall and ceiling surfaces may be finished with wall paper, paint or plastic finish. A second new insulating wall board has contrasting surface finishes on opposite sides. The natural, mottle pattern of one is admirable for places where the board is to be left in its natural state. Opposite is a smooth matt surface intended to provide a suitable base for sizing and paint in rooms to be decorated. Standard thickness of boards is five-sixteenths of an inch, the width four feet, while stock lengths range from seven to 12 feet, according to the announcement of the Insulite Co., the manufacturers.

For protection against plaster cracks, a fiber board lath measuring 24 inches by 48 inches is offered by the same company.



Awnings adventure into new designs and vivid colors



WHEN summer's sun grows more insistent, and flower-scented breezes blow through open windows, there comes the urge to put the country house into its coolest, freshest garb. Airy curtains, bright slip covers and wicker furniture make their appearance and in a twinkling the interior of the house is in tune with the season. Outside, also, there should be a festive air of summer and in this connection don't overlook the decorative value of brilliant awnings, their immense capacity for bright-

[illegible] awning designs [illegible] by Laurence J. Colwell illustrate a number of bright new ways of treating this practical summer accessory. Color, of course, is most important when considering awnings, and 1932 brings a grand array of brilliant shades to choose from, some of which are shown on the opposite page. The conventional plain and striped awnings are always good, but why not use a little [illegible] and make your awnings as interesting and individual as your curtains? The designs sketched on this page are simple and easy to accomplish, while opposite are a number of fabrics to show the very latest color combinations.

1. Heavy white cotton bullion fringe is gay and new on an awning of brilliant red or green tinted duck. It can, of course, be done in any number of color combinations and the simplicity of the design makes it adaptable for town or country use.

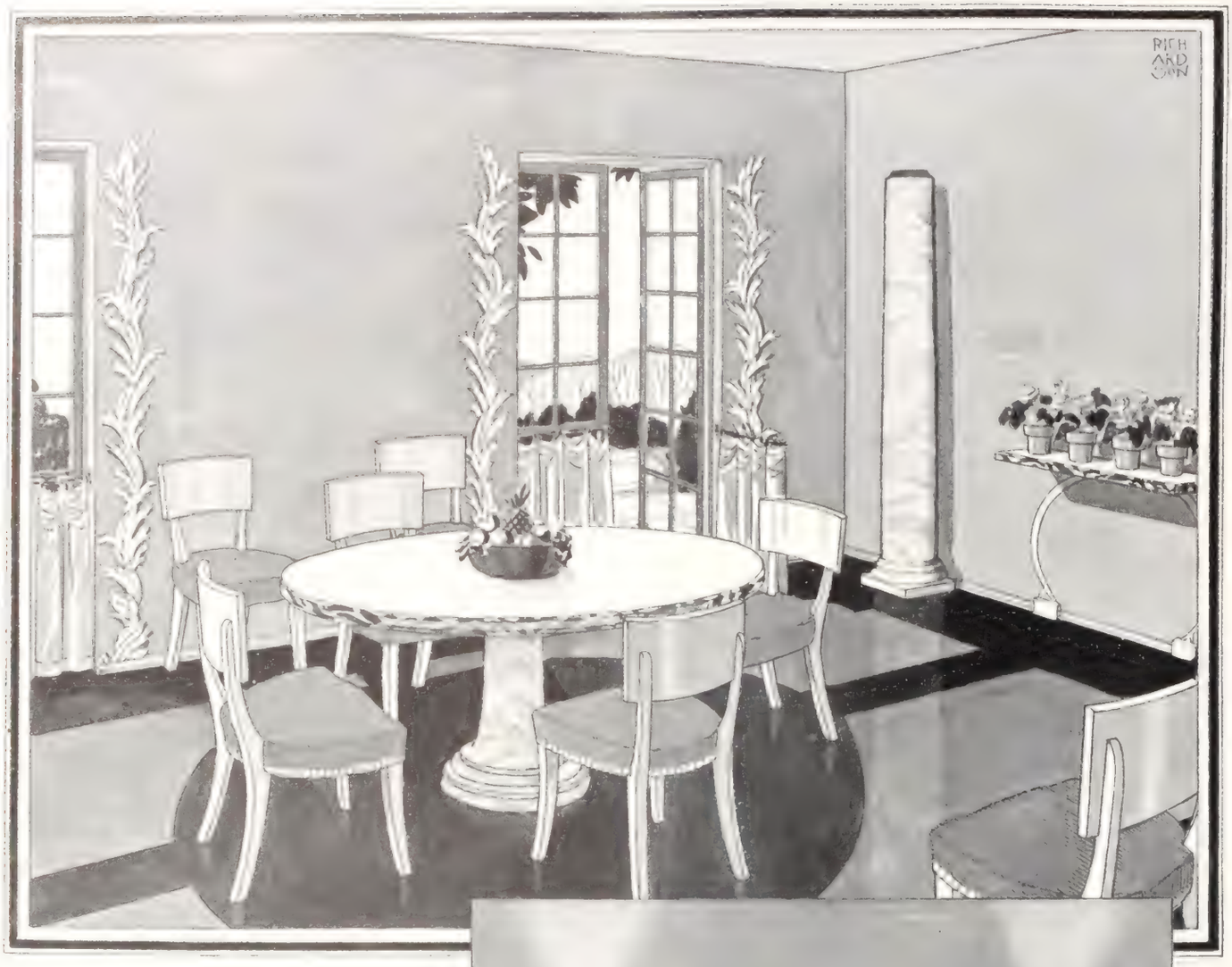
2. Vertical striped awning material is here used horizontally, giving an interesting modern effect. Either of the narrow striped fabrics opposite would be effective hung in this manner.

3. The vivid red and white striped awning duck shown opposite is seamed to form this smart chevron design—a newer and more striking use than when the stripes are run vertically.

4. Where a plain awning in some vivid color is needed, (*Continued on page* 70)

WHAT house could fail to lead a better and brighter life under the cheerful influence of the new awning materials shown opposite? (A) Two-toned asbestos fabric, non-inflammable, with pleasing rough texture, Awnbest Corp. (B) Pencil blue duck lined in white, John Boyle & Co. (C) Red and white stripes, used for the chevron design on this page. (D) Lined in white, this vivid painted duck is smart trimmed in white cotton fringe, Lang & Stanley. (E) New woven stripe suggested for a French provincial type of house, Otis Company. (F) Interesting woven texture and very usable color combination, Wellington Sears Co. (G) Tinted duck, lined in white, particularly striking trimmed with the white ball fringe shown on page 70. All awnings on this page were designed by Laurence J. Colwell


A
B
C
D
E

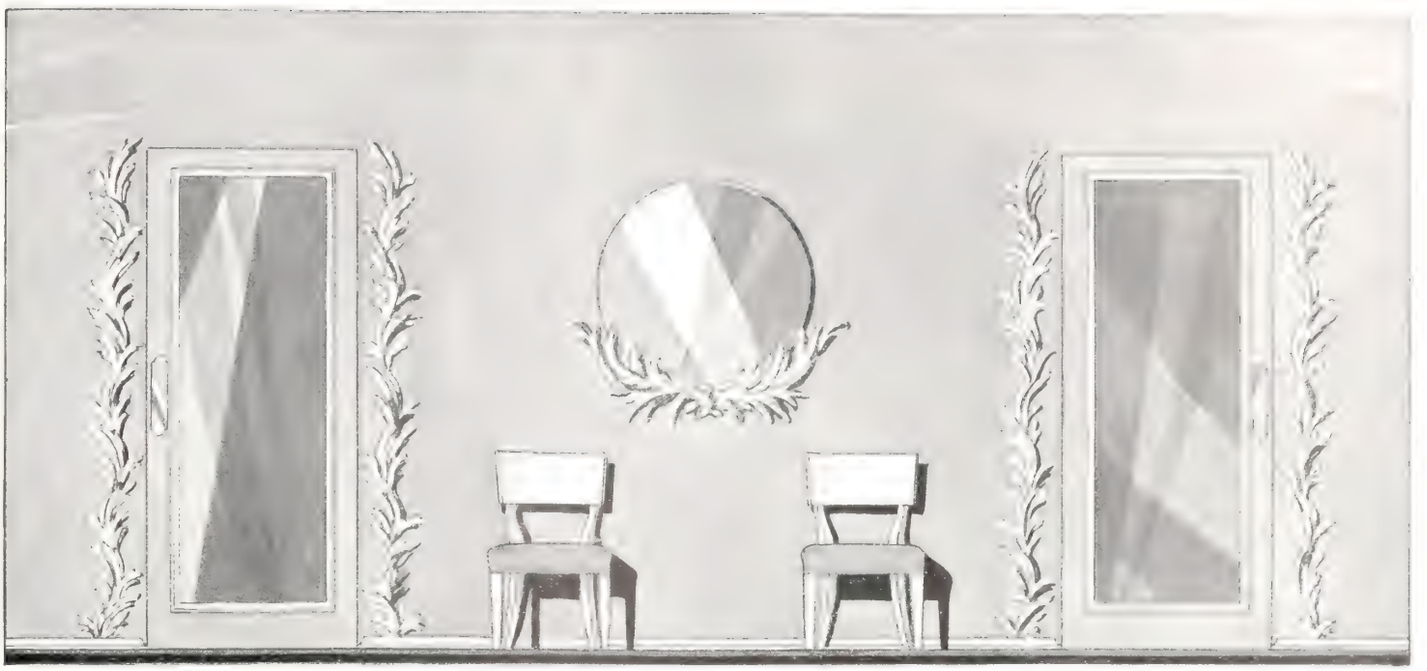






THE color scheme of this room was inspired by the blues and pale purples of Delphinium. Deep blue walls, lavender ceiling, and a floor in eggplant color linoleum with inserts of bright [illegible] Lead spears on [illegible] of Amaglypta, painted white, are effective against blue walls. Columns concealing lights are white marbleized in blue. White chairs have seats in quince green corduroy. Empire Exchange, decorators

NEXT MONTH—THE MASTER'S BEDROOM FOR $500



$600 decorates a summer dining room

Our budget house continues with a dining room done in delphinium blues · By L. T. Luke Kelly

EXPERIENCE in budgeting costs and planning the decoration of the living room in the cottage willed us by old Carte Blanche, as described in last month's installment of this little story, enabled us to go about the rehabilitation of the dining room in a fairly efficient manner.

The original idea of having this a rather severe modern room we decided to modify in favor of gaining more warmth and pattern, for with the upper story quite bare, and liable to remain that way for some time to come, a more finished first floor seemed called for. We made it a point, however, to create a background that would be equally good with a modern scheme, if in the future we decided to make the change. The color scheme for the dining room was inspired by the soft blues and pale purples of Delphiniums.

Beginning the work of decoration, we removed all moldings, window trim and baseboards. Walls were then plastered to a smooth, even surface. After considerable study we selected a deep delphinium blue for the walls. This color was applied and finished to a glass-like sheen. A soft lavender suggested itself for the ceiling and proved a happy thought.

In the doors were set mirror panels finished with narrow moldings painted a flat white; sides, top and bottoms of the doors were painted the wall color. As both doors are of the swinging type, they have narrow blue glass push-plates instead of knobs. Muntins and trim on the two French windows are flat white, as also is the narrow cove molding that takes the place of a baseboard.

We cast about for some inexpensive decorative feature to relieve the walls and decided to make use of Anaglypta, a pressed composition which comes in many shapes and forms. A leaf form of this substance was worked into tall sprays to flank doors and windows, as shown in the drawings. In the wall between the mirrored doors we hung an unframed circular mirror seemingly supported by a spray of Anaglypta. These leaf ornaments were painted flat white to match window trim and base molding.

For furniture we obtained a round pedestal table 48 inches in diameter and eight Directoire chairs. As the table will only seat six, we had made a top of greater size that takes the place of the regular one for large dinner parties. The richness of dull white trim and decoration against the delphinium blue walls gave us the cue for the color of the chairs. As a new color note, we upholstered the seats in quince green corduroy. The table was marbleized deep blue on a white ground.

Coming to the matter of consoles and lighting fixtures, we found that the budget [illegible] upon our ingenuity to spare the treasury, and are exceedingly proud of the result. The smart consoles are nothing more than shelves let into the wall and held by small brackets. Plaster and paint made these shelves look exactly like the walls. Rather than leave them hanging in mid-air, we painted sweeping curves on the wall to look like supports.

For lighting fixtures we obtained four wood porch columns, sawed a bit off each top so they were the height of doors and windows, and inserted lighting fixtures and reflectors in the tops. These diffuse a soft mellow glow over the entire room. The columns were marbleized blue and white to match the table.

We purposely kept the treatment of the floor and the window curtains till last to see how much additional strain the budget would hold up under. Luckily we found it adequate for our desires. As the applied ornament at either side of the window takes the place of [illegible] curtains used were short [illegible] quince green made to cover one-third the window height. These swing on rods from each side. The linoleum was patterned as shown in the drawing, with central circular portion [illegible]

As though direct from France comes this Long Island garden to take the year's gold medal



DOGWOOD ABOVE TULIPS

THE estate of Mr. and Mrs. C. F. McCann at Oyster Bay contains several gardens, all of them laid out in the French manner. Treillage forms the background for one part, another is a walled entrance court with its pool and terminal statue and still a third is a formal garden reached by the wide steps pictured here. It was designed by Annette Hoyt Flanders to whom was awarded the gold medal of the American Society of Landscape Architects. Drawings by Joseph B. Platt



THE WALLED COURT



STEPS TO THE FORMAL GARDEN



WALLS OF FRENCH TREILLAGE

Hobcaw Barony of the Carolinas

By George H. Allen



BERNARD M. BARUCH

THE urge to adventure lies in Virginia and the Carolinas no doubt has laid its hold upon all of us, at one time or another in the course of a Northern winter. Whether it be merely a desire to enjoy life in its mild and complaisant state; to attend the three-day Blossom Festival at Winchester, where the inhabitants for miles around foregather to greet the spring through a dreamy applejack haze; or a wish once again to doze under the Wistaria and Magnolia on the verandah of that beautiful pension, The Villa Maruerita on the Battery in Charleston; it all goes back to the fact that the glamour of the Old South still lives.

As far as the Social Register is concerned, the Middle South means nothing more than White Sulphur, where white ties are *de rigueur,* or Hot Springs, where the little traps and four-seaters outnumber the autos. The horsy crowd congregates in Aiken; here the loyal subjects of the hunt lead off in green riding habits, while those who take their pleasure by proxy stand about in gossiping groups. Leaving Aiken, the tone tapers off almost immediately as you find that in the nearby towns and villages, cottage life plays an important part in the social activities of each community.

Far out on the Eastern shore of South Carolina, smack on the edge of the Atlantic and miles from everywhere is situated the small and very unobtrusive hamlet of Georgetown, reached only by shell or gravel roads. The local Rotarians will tell you that the place boasts of more than 1000 souls, but it can be more aptly described as a typical, sleepy, Southern town where all work ceases promptly at 4 P.M. when everyone partakes of Coca-Colas. It is not many miles away from this isolated little town, on an island only to be visited by boat, that Bernard M. Baruch, New York financier, has built his winter residence. Nestling in a grove of oak trees on a bluff overlooking Winyah Bay, it exudes peace and contentment, with the native Azaleas adding a broad dash of blinding color against the leafy background of the green foliage. The island is part of Mr. Baruch's extensive holdings in this section and was formerly part of Hobcaw Barony, an original land grant from a King of England. Adding to the island's historical interest are the remains of an old English fort which was used about 1620, but long since has fallen into ruin.

An old white farmhouse once occupied the site of the present residence. It was one of these homey and rambling places that conjure up such gastronomic dreams as Virginia hams, candied apples and Southern waffles. The closing chapter of this structure came in the form of a fire that burned it to the ground. As far as Mr. Baruch was concerned, he had no intention of rebuilding, but his friends proved too much for him. They refused to consider missing (*Continued on page 78*)



Blanchard



Blanchard

THE OAK-BORDERED DRIVE



MR. BARUCH'S North Carolina home follows the manner of the South in design. Because of its isolated location, particular emphasis was laid on fireproof construction. Lafaye & Lafaye, architects; Mrs. Ruth Fleischmann, decorator

THE splendid oaks surrounding the house appear to have only grudgingly made way for paths and drives. In some places branches join across a drive to form a canopy that leaves barely sufficient space for the height of an automobile



FRONT FACADE WITH TWO STORY



FOR A WALLED GARDEN

Nine gates provide entrance to gardens done in divers ways

For a stone walled garden, as at Naramoke Farm in South Norwalk, Conn., the timber gate is appropriate. Other examples on the same estate are the double driveway gate and the narrow one with the jar beside it, on this page. L. Lundquist, landscape architect. Frank J. Forster, architect. On the opposite page, the gate arched in brick is a solution for the high cement wall, while a suggestion of Old England clings to one marking a break in the stone wall leading to the woods

Pure Colonial, with all the charm which the words imply, is the little gate under the Quince tree on this page. It is at the home of Mrs. A. W. Putnam, Rye, N. Y. The stone arched gate, with its vista of Tulips and flagging, is in the garden of Mrs. Robert C. Hill, Palisades, N. Y. Marian C. Coffin, landscape architect. In the center of the opposite page is a white design of unusual interest, and below it the gate in the Italian garden of Charles B. Dana, Tokeneke, Conn.



PURE COLONIAL



RDEN TYPE



STONE ARCH AND OAK DOOR

M. L. Hewitt



ARCHED IN BRICK



John Wallace Gillies

THE ENGLISH MANNER





THROUGH THE HIGH WALL



ESTATE







Martin Edward Hewitt

A VARIETY of pursuits suggested the arrangement of the living room furniture in the New York apartment of Mrs. Elizabeth Peacock. The floor plan opposite reveals a music corner, fireplace group, writing unit, and corner arranged for conversation. An old Aubusson rug in turquoise, rose, beige and green establishes the color scheme of the walls, curtains and furniture upholstery. Mrs. Peacock, decorator





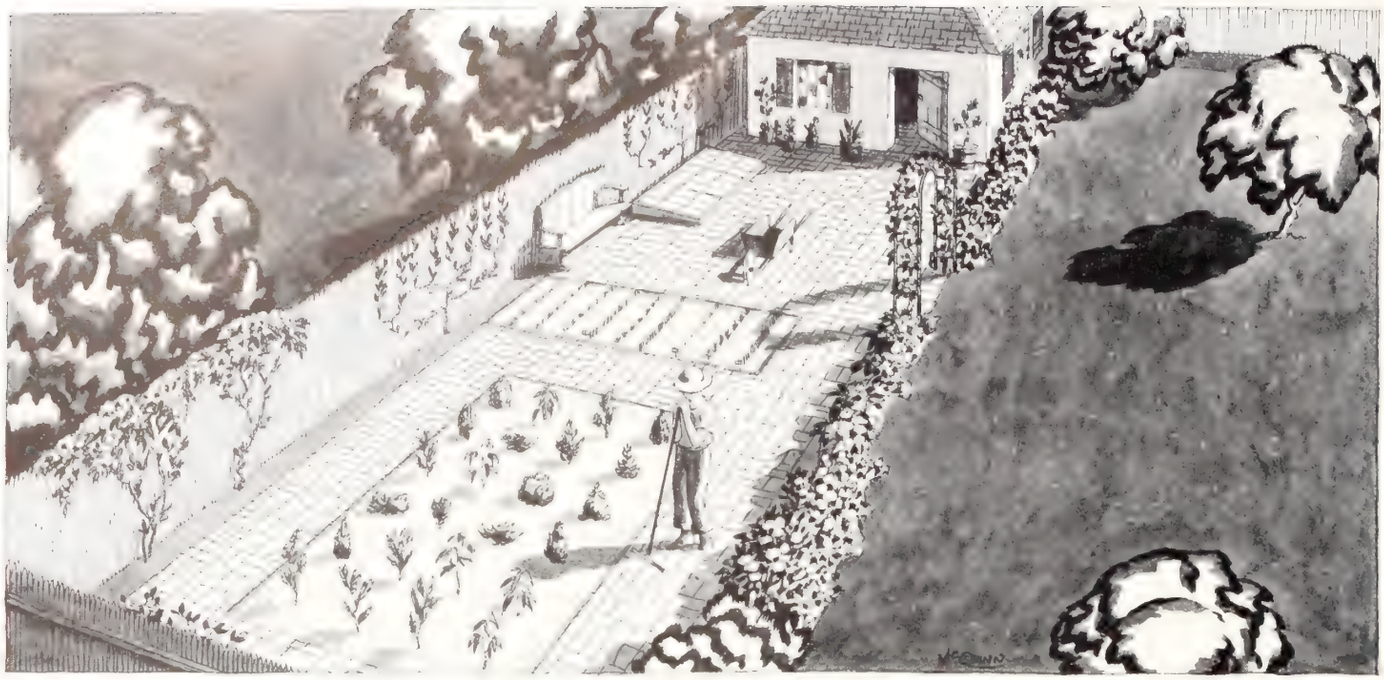


A decorator's home fits the corner to the mood

WHITE monkeys upon the silver-papered lower walls (right, above) greet arriving guests. Fantastic tropical fruits and flowers in pastel shades complete the exotic effect, and mirrored doors create an illusion of space. Herbert Fauts, artist

A PAINTED mirror on a lacquered French court watches a balloon ascension is a whimsical note on the guest room dressing table, above. Taffeta skirts of the table in the master bedroom (right) repeat the [illegible]





A little nursery for choice young plants

One way to furnish your grounds distinctively at small expense · By Laurence E. Manning

The imperishable gift which the late Dr. Wilson of the Arnold Arboretum has left the gardening public of America is, more than anything else, a new sense of values in plant material. No longer are we content to grow old and outworn varieties, having seen or heard described the many new and exotic varieties which in time are destined to replace the old. There is, however, a serious difficulty in the way of such an immediate transformation and that is, that these garden aristocrats are for the most part still rare and not easily to be obtained. Moreover, even when obtainable, the prices necessarily demanded by nurseries are often beyond the reach of deflated purses.

When the demand for better things (horticulturally speaking) has grown larger prices will be very much more reasonable and the supply adequate. For the present, however, a suggestion might be in order whereby with very modest expense the garden enthusiast may plant most of the desired types.

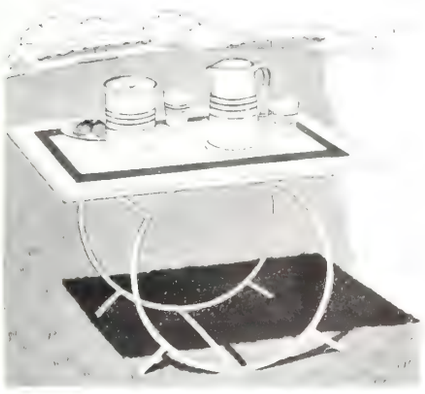
Why not start a little nursery of your own where youngsters of these choice kinds can be grown along? Most of these desirable types of trees and shrubs are grafted or budded and during the year following this process require expert care and attention, but once they have spent one winter outdoors they may be confidently purchased and planted by the amateur. They [illegible] eight inches for a young Koster or a Moorheim Spruce, up to as much as fifteen or eighteen inches for the quicker growing grafted Japanese Maples; but if a small plot of garden ground be set aside and the yearling grafts with their little balls of burlapped earth be placed a foot or two apart in rows, there is nothing simpler than watching them during the next few years grow into splendid and very valuable specimens which, of course, may be finally set out to achieve landscape effects about the grounds.

The care required is not at all onerous, since for the most part these varieties are aristocrats by right of their gentle, tolerant natures as well as on account of their beauty. Ordinary flower garden cultivation is all that is required. However, it must be understood that there are quite definite exceptions to such a rule: Rhododendrons and Azaleas require acid soil whether they be young plants or large specimens.

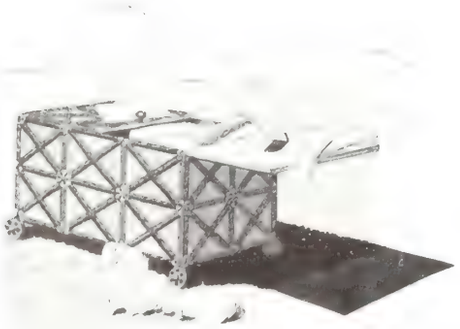
For simplicity's sake, let us imagine twenty-five specimens to be grown in the very modest private nursery. Let us put them in rows about three feet apart and set the plants one and a half feet apart in the row. For even development on all sides of the plant, it might be best to have the rows run north and south, although this is a very minor point. Since only two or three of each variety are desired in such a small planting, let us have short rows—say six feet long. Thus six rows will be needed, each containing four plants on an average. The space required will be eighteen by six—a plot readily available on the smallest grounds. Such an arrangement is a liberal one, designed to provide room for four years' growth at least.

To start with the spring—a natural enough thing in a garden—we nominate the Magnolias with their gorgeous show of pearl-like beauty on the naked branches of winter. Such types as Soulangeana, Lennei and Stellata are really practical subjects and charming bloomers. They are quite hardy. If a line be drawn from Cincinnati, Ohio, to Westchester County, New York, and thence up the coast to Boston it will indicate their northern boundary of satisfactory growth. North of this line a matter of fifty or one hundred miles they succeed in fairly (*Continued on page* 74)

Bumper crop of early June ideas for the garden



NOTHING is so right as white for gardens this summer. This iron table with dark blue band (Hammacher Schlemmer) holds pitcher, glasses and jar of brilliantly striped stoneware. Mary Ryan



SMART magazines are wheeled into the garden in this Directoire iron Canterbury. Trellis section is painted brown and gold backed with a green panel. The top opens to form leaves. Averell House



GATHER your posies in Mexican baskets decorated in vivid red and green bands. Olivette Falls. The English wheelbarrow with its comfortable crooked handle is of unstripped willow. From Mac Mutch



LATEST pieces to brave the elements are a green aluminum chair, with back and seat of laced rawhide and an iron and glass table. Arden Studios. White and gold tôle magazine rack. Lord & Taylor



THE big three of garden tools—harrow, trowel and dibble—of shining brass with black handles curved to the hand. New seed record sticks have paper cylinders to [illegible] glass tubes. Max Schling



TEA-TIME on a terrace and this long chair of slender white iron with cushions covered in a gay print of white horses on a navy ground. Hammacher Schlemmer. White metal muffin stand. Marlow Shop



SINGLY, as borders, or arranged as stairs or in other geometric designs, these diamond-shaped terra cotta flower pots suggest the lovely potted gardens so typical of Italian terraces. From Carlone



WITH [illegible] modern houses [illegible] suspended from the tree or attached. Lewis & Conger. The tiny wren house at the top [illegible]



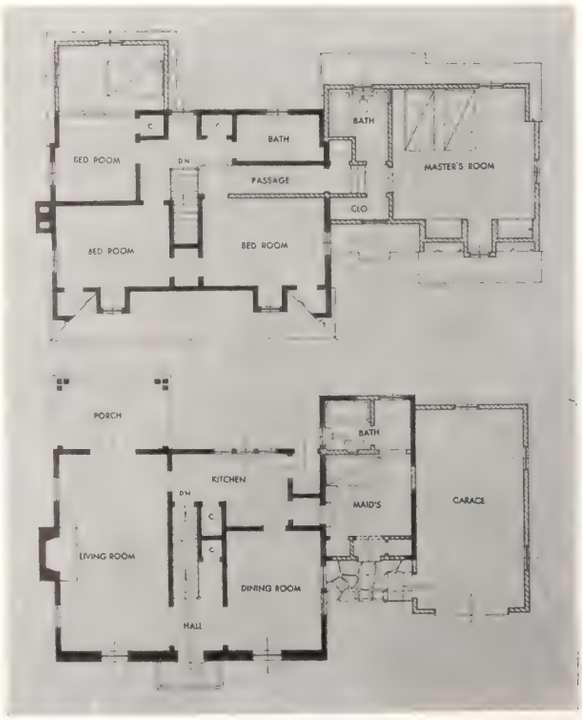
WITH [illegible] in perfect safety. Of gay striped canvas, open at the top, it is light and easy to [illegible]



John Wenrich Gardner, Jr.



The addition of a small wing makes a new home



A [illegible]

we present the case of this little [illegible] was derived from the Dutch. The lower photograph shows the original house. Blocked-in partitions on the plans also represent the [illegible]

PLANS reveal how the architect solved the problem of providing another master's room and bath, a maid's room and a larger garage. By good use of materials and attention to detail the addition was successfully carried out in the style of the original. The home of Dr. E. F. Hussa, Summit, N. J. D. Wentworth Wright, architect

Lead again comes into the garden

By Francis Howard

No matter how well and carefully designed a garden pool may be, the risk of its developing cracks and other defects that will necessitate constant attention and expense is always great. From excavating, through reënforcing, concreting and finishing, each operation allows opportunity for trouble. Even after a pool is successfully completed there is always chance of erosion of sand about foundations from heavy rains, with consequent settling and cracking of concrete. The action of frost, too, is an uncertain factor.

There is a sure solution to these problems, however, and it is a simple one. Indeed, when we consider that lead has been used for fountains, garden ornaments and even piping during some two thousand years, the really remarkable fact is that this material was not thought of for lining pools and other naturalistic garden water features previously. Today we seem to have just awakened to lead as a means of creating for permanence at low cost.

As is well illustrated by the two photographs on this page, even the most naturalistic of water features offers no obstacle to a lead base. Both spring and brook at the right, and the brook below, which is the outlet for the same spring, are completely lead lined. The brook is 150 feet long and varies in depth, as a natural one would.

A lead lining for a contemplated water course can be put in place without previously being excavated for—it is set down in sheets and then soldered together and the edges turned up—the arrangement suited to the contour of the land, of course. Top soil is raked about the edges, bog plants and Ferns are planted, rocks set up, etc. Enlargement will be a simple matter at any time; in fact the entire contour can readily be reshaped, if desired. Repairs are easily made, and at little expense. The diaphragm of lead is invisible and the dark tone that it gives the water helps carry out the illusion of naturalness.

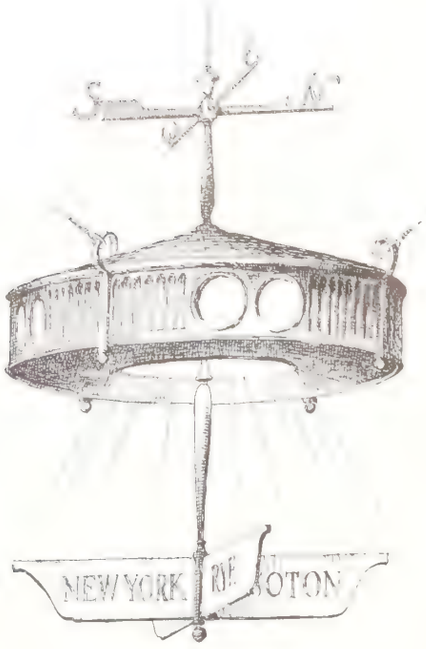
From every practical point of view lead is the ideal foundation for water in the garden. If desirable, the usual detailed designing on paper can be almost entirely done away with. Rough plans made up in the field by a landscape architect will usually prove sufficient for putting together the lead lining in rough fashion. The real designing can be done on the spot with the actual materials, rather than on paper from an idea that often is found impractical.













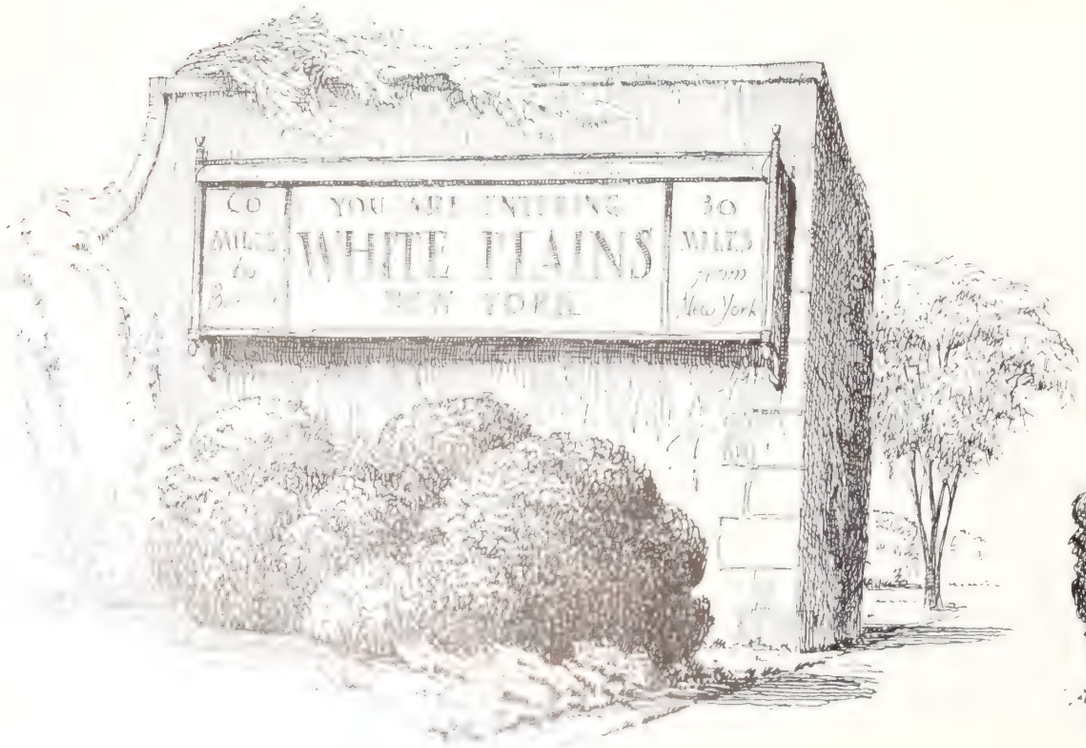
Guide-marks and way-signals reflect the taste of an estate or community

THE fact that roadside markers, estate signs and traffic signals must be practical and able to withstand the elements is no reason why they cannot also be attractive. The idea that passing motorists gain of a community is bound to be colored by favorable or adverse impressions left by these features. For this reason, alone, town fathers and estate owners should carefully select the types to be put into use.

More in the nature of suggestions than examples to be actually followed are the designs shown on these pages, although each is practical for the placing illustrated. Mr. Chester B. Price, the designer, advocates the use of metal wherever possible. Standards and supports of wrought or cast iron with inserts of sheet metal on which lettering is painted, or cut through if the sign is to be seen from only one side, are his recommendation.

At the left is a cast iron traffic signal which also tells the way to important points. Note that light shines directly on the guides. The sign at the left, below, may either be illuminated from concealed lights in the hood or by lights inside it picking out cut letters.

The selection of estate markers gives wide variety of choice. These are self explanatory, as is the community notice to be attached to a wall or building. The traffic signal for mounting on a "safety island" at a street intersection follows the same principle as the hanging type shown at the left.










TOWN TAVERN
1793


GREAT FALLS
20 MILES TO
ST. LOUIS



The Gardener's Calendar for June

... Hours is printed as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
First Week: ... with low clouds trailing slowly across the hills. Second Week: Perfect early summer weather, a world full of bird songs ... flowers. Third Week: Hot and dry and, at the close, an easterly storm. Fourth Week: Clear, ... after the rain.			1. ... all root crops and ... other ... sown in ... from seed ... should be ... while small to allow room for ... roots. If ... seed, ... care of this at the right time ... ultimate yield will be ... in size and quality.	2. Annual flower seed plantings ought to be finished this week. Precisely as with vegetables, two or three plantings in spring and early summer give a long season. Seed may be sown where it is to bloom, and the young plant thinned or ... in a special seed bed.	3. Tree and shrub stock that has been planted since the first of the year needs abundant water to encourage formation of new roots and satisfactory top growth. This watering should be continued at intervals all summer, whenever a threatening dry spell comes along.	4. Seedlings of all sorts transplanted to sunny locations, are benefited by being shaded by boards or cheesecloth for two or three days after being set out. Unless this is done there is sure to be some wilting, which leads to a severe check in growth if not actual loss of the plant.
5. ... is one of the ... sons for destroying caterpillars and other ... Dusting it on ... while ... is ... done when there is ... er. In spraying, reach both sides of the fol...	6. ... the Lettuce plants are likely to go to seed ... shading with boards ... hardly be looked upon as a satisfactory mid-summer vegetable in ...	7. Tall ... flowers of prac... are benefited by light ... stakes should be put in place before the ... with ... Let them be strong and firmly set in the soil. For tying ... raffia grass or cloth strips.	8. Peony, Iris, Rose and the larger perennials that ... are benefited by light top-dressings of bone meal worked around them. In the case of the Roses and Peonies, too, an application of manure water a few days before the ... open is advisable.	9. Training Pole Limas must be ... as soon as the vines start to climb and be continued until they are fully grown. Regular attention to this will be repaid by better crops and greater ease in picking them. Tangled, straggling vines are always difficult to manage.	10. A good rule is to stop cutting Asparagus when early Peas are ripe. The plants must be given opportunity to develop top growth during summer months. Unless this is provided the balance of the whole plant's system will be thrown out and the roots will lose vigor.	11. Sweet Peas are greedy feeders and require plenty of water. A thorough soaking twice a week in hot weather, and a cut grass mulch will prolong their season. When really hot weather arrives, a light screen to keep off the midday sun will cause the plants to last longer.
12. ... Cucumbers and ... of blight should be ... with ... deaux Mixture. This is a standard fungicide ... in both the vegetable ... A small hand pump sprayer will suffice for applying it when the ... is small.	13. Spring-flowering ... which have finished blossoming are best pruned now. The flower buds for next year will form on the new growth which develops between now and late summer. All pruning should be done with an intelligent purpose, see ...	14. Pinching back growing tips of young plants will induce more bushy, compact form. Thumb and ... these tips quickly and easily. Such control is especially advisable on the vegetable vine crops such as ... beneficial to others.	15. The best way to keep Strawberries clean and to help them ripen evenly is to spread a straw mulch under them, ... of the plants. Salt meadow hay is excellent for this, too, but ordinary hay is likely to contain many annoying weed and grass seeds.	16. Climbing vines, especially in their younger stages, need manual help to train them in the way they should go. Look them over every few days for this purpose, lest they get out of hand. When tying, leave plenty of room for the stem to thicken within the circle of the band.	17. Systematic cultivation of soil surface, especially after rain or watering, conserves moisture around the roots, admits needed air to them, and promotes general health and growth. Do not, however, cultivate so deeply as to disturb or injure any of the root system.	18. Succession plantings of Radish, Beet, Carrot, Corn and Bean seed are the answer to the problem of a long crop season. Fresh batches of these may be put in now. Generally speaking, it is hardly worthwhile to plant Peas between June 15th and August 15th.
19. Flower staking is not restricted to those kinds which ... and Delphiniums. Coreopsis and others which normally make a somewhat sprawly growth will benefit by it. For these, use encircling wire rings ...	20. The aim of all plants is the ... With this accomplished flowers ... Remove withered blossoms before ripening to prolong the season. By doing so you induce the plant to keep on trying to complete its life cycle by developing new blossoms and ripening them.	21. These brown beetles that attack the ... Magnolia blossoms don't mind most kinds ... they can't survive knocking into a can ... an unholy joy in thus disposing of them which for many of us is one of the major gardening pleasures.	22. In Pear, Apple, Peach and other fruit trees are carrying ... a good plan to thin out. The same bulk of fruit, of better quality, should result. In most cases, such thinning will do away with the need of supporting the branches to prevent breakage ...	23. Liquid manure, made by soaking a sack of raw material in a tub of water for a few days, is a fine stimulant for Roses, Sweet Peas and other flowers. If fresh manure cannot be obtained for this purpose, fair results can be obtained by substituting the dried, pulverized kind.	24. Flowers for the house ... last longest if cut early in the morning rather than in the afternoon. Exposure to the day's heat more or less exhausts them. Also, cut them while they are in the bud or barely beginning to open, and plunge the butts of the ... in water immediately.	25. Unless supervised the Melon, Squash and Pumpkin vines sometimes crowd ... a good idea to spread and peg them so they will grow in the right directions. Watch for stem borers and the small striped Cucumber beetle, which sometimes cause serious damage.
26. ... foliage stalks should be left on the Peonies all summer; they are necessary for the plants' normal growth and the restoration of strength to ... Without them the plants will be seriously weakened and next year's bloom will be ...	27. ... that make rather ... by aphids. Wherever found these pests ... with a nicotine prep... burn them and lead to their death. Look for them especially on the foliage.	28. ... shoots from their roots. These should be pinched off at the ground line to throw all the available strength into the main stalk. Should the weather turn dry, apply water freely and keep the surface of ...	29. ... pruning job is on the Tomatoes. These plants should be thinned to from one to four main stems to produce the biggest and best fruit. ... equate provision for ... on the ground, either by trellis, individual ...	30. Close mowing of the lawn during hot dry weather ... a fair length of growth is needed to shade the roots and prevent their being scorched. If you do any watering let it be thorough enough to penetrate several ... roots will be formed.	● New Moon, 4th day, morning, E. ☽ First Quarter, 11th day, evening, I. ○ Full Moon, 18th day, morning, W. ☾ Last Quarter, 25th day, evening, W.	

Old Doc Lemmon finds real value in meadow lands

... or onions, but to my way o' thinkin' such folks is plumb wrong. Nor I ain't meanin' thet the boy ye can git off'n a medder is the thing thet makes it most worth while, neither. Fact is, I couldn't be sold for money nohow. Mebbe thet sounds kind o' queer, but take my medders in ... an' Birchy Holler Brook. Ain't scurcely a tree nor a patch o' brush onto 'em—just a couple or three whackin' big elbums on a leetle rise o' the ground, an' a fringe o' alders down along the ... as a turtle baskin' on a log in the sunshine.

"Seein' 'em from up on the side o' the mounting ye'd say them medders was just a-sleeping an' doin' nothin', but the minute ye take the path thet mooches through 'em from the orchard to the hole where the kids goes a-swimmin', ye git a mighty diff'rent idee. It's like walkin' through a world o' life thet's just a-singin' with color an' birds an' the scent o' sweet fresh green.

"Look yonder t'wards the woods—did ye ever see the like o' them buttercups an' arnica an' the blue flags spread acrost the damp swale? Like a paintin', ain't it, all gold an' orange an' blue with a hunderd diff'rent shades o' green to melt 'em all together?

"An' listen: hear them bobolinks a-bubblin', an' the red-wings, an' the medder-lark on the fence post by the road? Yep, an' the twitterin' o' the barn swallers as they skin close to the tops o' the long standin' grass? An' d'ye hear the hum o' the bees, an' the rustle o' blade an' stalk so soft an' gentle thet ye can't rightly tell just whut it is? There ain't no orchestra never made no music so easy on the soul, I guess. There ain't a note in it thet's too strong or don't fit in just right with all the rest, for Nature don't do nothin' off key.

"An' when ye've heard an' see'd the beauties o' them things, walk on to where the grass grows shorter near the ellum trees an' pick some o' the wild strawb'ries—leetle an' p'inted an' red as blood, with a flavor like no other fruit thet God ever made. All the sperit o' June's into ev'ry one o' them, an' as ye eat 'em the years drap away an' ye're a leetle child ag'in.

"Yep, medder-land's worth a heap more than for growin' market crops, I guess. It helps to keep a buddy young an' take his mind off'n money an' taxes an' the like o' thet."

Soup with all the famous tonic goodness of celery!



21 kinds to choose from . . .

Asparagus
Bean
Beef
Bouillon
Celery
Chicken
Chicken-Gumbo
Clam Chowder
Consommé
Julienne
Mock Turtle
Mulligatawny
Mutton
Ox Tail
Pea
Pepper Pot
Printanier
Tomato
Tomato-Okra
Vegetable
Vegetable-Beef
Vermicelli-Tomato

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Celery Soup inspired with the genius of the most celebrated French soup chefs! Not only the delicate, ingratiating savor and flavor of this garden treasure, but also all the deftness and skill of master chefs in its perfect blending.

In the service of Campbell's Celery Soup you have the assurance of a quality and a distinction above all criticism. Crisp, snow-white celery, golden creamery butter, seasoning that adds the final touch of attractive flavor.

A strictly vegetable soup which is often served also as Cream of Celery by adding milk or cream instead of water. Order a supply for your pantry today.

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HERE is your opportunity to procure some of the finest examples of Italian Stone and Marble Garden Furniture at reductions of from 25% to 33⅓%. ~ The pieces offered represent overstocks of the most desirable Garden "furnishings" regularly carried by the Wm. H. Jackson Company. They include Bird Baths, Urns, Sun Dial Pedestals, Seats and small Fountains. The offer is limited and applies specifically to an accumulation of stock in excess of the normal requirements of the present market.

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What's new in building and equipment

(CONTINUED FROM PAGE 45)

[illegible] is fastened along two adjacent sides to lap over joints between boards when applied on the wall. A fourth product is a hard board of high tensile strength, golden brown in color, with an ideal surface for decorative stains, adaptable to such uses as wide panels in a wainscot with wood rails and moldings.

CONCEALED BELLS. Three radically contrasting sound signals are offered for front door, service door and dining-kitchen calls in a compact assembly of door bells and buzzers recently announced. In place of unattractive, straggling wires and rusty bells, perched high up on the wall and difficult of access in case of trouble, this equipment is designed to be recessed into the wall, at an easily accessible height. A standard switch or electric outlet plate covers the operating parts, while providing an opening through which sounds may come. A metal louver plate, finished in black, is set behind the opening to conceal the bell or buzzer.

In the typical household installation recommended by Edwards & Co. Inc., manufacturers, a duplex electric outlet, a bell ringer and the bells and buzzer are assembled in a unit four feet above the floor in a wall of the kitchen or butler's pantry. The concentration of elements in close proximity to an electric outlet effects so marked a saving in labor costs that the complete system is said to be little or no more expensive than old and unsightly methods of bell installation.

AUTOMATIC ELECTRIC FOUNTAIN. As a unique contribution to the charm of a private garden, a new type automatically controlled electric fountain is said to be beyond comparison. By day an attractive water fountain with the appeal of constantly changing, graceful combinations of rising jets and scattered spray, it becomes at night a fascinating spectacle of brilliant color. Using for a background the darkness that veils the natural beauty of its surroundings, the fountain creates a new beauty.

The electric fountain is especially designed by its makers, the General Electric Co., for private estates and formal gardens. Its nine projectors, red, green and amber, and its water sequences are automatically controlled in a seven-minute cycle that includes 49 combinations of color and form, conveying the impression of infinite variety. It is a complete electric and mechanical unit, we are told, including a cast iron basin and pedestal with all the necessary equipment save underground plumbing. Started and stopped by a simple push button located at any convenient point, all water and color changes are made automatically by the latest application of photo-electric cell control, which is said to give better blending of colors and smoother transition effects than are obtainable with any mechanical device, while economy of operation exceeds that of any other type of control.

PORTABLE ELECTRIC WASHER AND DRY CLEANER. An electric clothes-washer small enough to be carried around has recently been made available to the housewife who prefers to personally cleanse small silk and lace articles. Weighing less than 14 pounds, the appliance has a rated capacity of two pounds of dry clothing. Two vacuum cups pull saponified water through fabrics, an action which is said to accomplish ideal washing results in 15 minutes, without kneading, twisting or injury. All electric parts are hermetically sealed in the dome cover and there is no motor to require servicing. A secondary cover is provided for use when the appliance is set over two burners of a gas or electric range to boil clothes. The product is manufactured by the Enpeeco Appliance Co.

A small size dry cleaner for home use is also a new offering by the same company. The total capacity of the glass container of this appliance is two gallons, although most efficient results are said to result when one gallon or less is used. Utilizing the same principle employed in the portable washer, gentle up and down suction action of a single vacuum cup draws the cleaning fluid through the fabrics. A non-explosive cleaning fluid is provided.

DOUBLE-HUNG WINDOW LOCK. Especially recommended for protection on the windows of the nursery, bedroom or other room overlooking flat roofs, which will frequently be left open for night ventilation, a simple wedge lock of novel design may be fastened to the side rail of the upper sash of any double-hung window. Its presence will prevent the two sash from being opened beyond a certain point. The lock should not be placed too high, for if the lower sash can be raised more than six or eight inches, a slender form might effect entrance. The wedge-like shape offers additional advantage of preventing window rattling on windy nights. When desired to open sash full height, the wedge portion may be swung around on a hinge into the reveal of the glass pane. The units are furnished in brass to match window hardware by the E. B. Whitaker Co.

INSULATED RIGID SHINGLES. To the many long-recognized qualities of the rigid asbestos shingle, insulation has been added in a product lately made available. Asbestos and Portland cement are applied over a base of fiber insulation which has been dipped in hot asphalt and chemically treated for prolonged life. The shingles are not brittle and are said to stand rough handling without breaking. Nails may be driven through them without drilling. Individual units are light in weight and easy to handle. The shingles come in random widths, ranging from four to 11 inches. They are tapered. Average exposure to the weather is seven inches. The thick butts produce interesting shadow lines. They will not burn, fire will not break through them, nor can they explode under extreme heat. They are made by the Weatherproof Products Co.

Soft colors and weathered blends allow wide range of color schemes and effects. The shingles are offered in several distinctive texture finishes, some modeled after early Colonial shakes, others after old English tile or stone.

(*Continued on page 68*)

She never knew why . . .



For obvious reasons names and places referred to are fictitious

Her hands stiffened as they held the newspaper . . . he felt almost ill. There could be no mistake . . . here it was in brutal black and white.

Bronson was gone . . . married to another woman . . and Lucia Gallup of all plain, dowdy women . . eloping . . . "sailing the 19th for the Mediterranean," the paper said.

She felt as though she had been robbed. She had considered it a foregone conclusion that Bronson would marry her . . . he had been attentive for years. Why only the week before they had been to a theatre party.

True, for the past six months he had been less frequent in his calls . . . less attentive perhaps . . . and on several occasions he had seemed restless, eager to leave. She had attributed these changed actions and his distant attitude to business worry and uncertainty.

And now this! She simply couldn't understand it. Over and over she searched her brain for an explanation . . .

Do you agree?

To endure a case of halitosis (unpleasant breath) occasionally is bad enough, but to be married to one would be unendurable.

The insidious thing about it is that you yourself never know when you offend this way. And the matter is so delicate that even your best friend won't tell you.

Certainly every fastidious woman and man who hopes for the friendship, favor, or affection of others will see to it that the breath is sweet, wholesome, and agreeable. It's so easy to keep it that way, too. Simply gargle with Listerine every morning, every night, and between times before social engagements. Being an antiseptic, Listerine halts fermentation, the cause of 90% of mouth odors. Then, because it is the swiftest deodorant known, it gets rid of the odors themselves. Amazing double action. Do not expect quick deodorizing effect from ordinary antiseptic mouth washes. Tests show that it takes them twelve hours or more to conquer odors that Listerine ends instantly.

And for body odors

Happily for all concerned, body odors are less common and occur less frequently than halitosis. But when they do occur they are no less objectionable.

Many people pursue the absurd belief that mere washing with soap and water will get rid of them. That is laughable. To really make sure, use Listerine on the guilty areas, after your bath. Just a little does the trick. Not a permanent cure mind you, but a pleasant relief.

Send for our FREE BOOKLET OF ETIQUETTE —tells what to wear, say, and do at social affairs. Address, Dept. H. G. 6. Lambert Pharmacal Co., St. Louis, Mo.

the quickest deodorant

LISTERINE ends Halitosis, checks Body Odors

QUICK-CHANGE

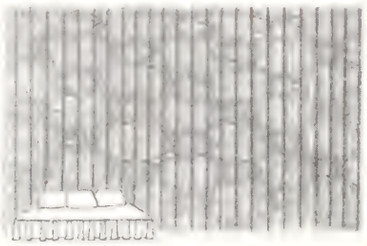
to summer charm!

SLIP-COVERS

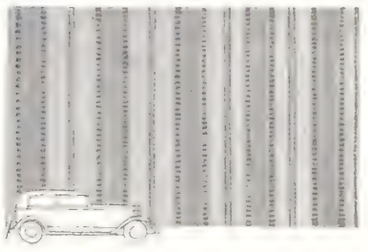
Give tired rooms this quick tonic! You can slip-cover anything that needs it, right at home, with huge success, using these very-workable new Colonial Drapery Fabrics. This is our special slip-cover series for summer, 1932. Fast to sun and washing. Sold at leading department and household furnishing stores. *Send coupon below for free booklet of ideas and directions.*



• LENNOX—Two-tone, medium-weight texture for furniture. Exclusive pattern, rich in character. Sews well. About 75c a yard.



• TAPESTRY—Another new tapestry effect for house or porch. Good background colors for bright pillows. About 60c a yard.



• BELLEVIEW—Colorful stripes to freshen your car. Good weight to sew on. Doesn't wrinkle nor show dust. Only about 25c a yard.



• FLORIDA STRIPE—High-style, high-color linen and terrace fabric. Withstands weather, and won't fade. About 75c a yard.

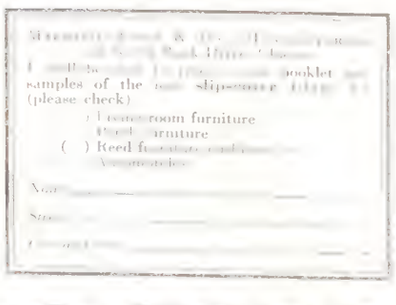


• SUN STRIPE—Cheerful for sun porches, breakfast rooms, etc. Wide or narrow stripes at about 50c a yard.



• WEAVECRAFT—A more luxurious fabric for exterior use. Embroidered motifs with soft color-stripe or plaid. About $1.65 a yard.

Colonial Drapery Fabrics





What's new in building and equipment

(CONTINUED FROM PAGE 66)

ch shingle is truly individual, as the large number of different surface texture impressions provide many variations in texture, grain and knots. Shingles are packed at the plant in such a way that they are ready to lay, and do not require a skilled workman. They may be applied to walls or roof directly over old wood shingles.

REFRIGERATED AIR. In the sick-room, the nursery or any room of the house, a new type cooler cabinet, manufactured by Ilg. Electric Ventilating Co., provides iced air. Designed to hold 300 pounds of ice, weight of the unit when fully charged is 600 pounds. It may be rolled from one room to another on its ball-bearing, rubber-tired casters which will not harm rugs or floors. The 12-inch propeller fan, consuming 70 watts of current per hour, can be plugged into any electric light outlet. The unit will operate from eight to ten hours on one charge of ice.

HUMIDIFYING RADIATOR. Designed to furnish it heat as a radiator, while evaporating water to maintain a healthful humidity, a new unit is being marketed for installation in the hall where it will serve all rooms of the average house. Horizontal heating sections have a shallow tray formed in their upper surface. Water from the house supply is allowed to flow onto the top section, and as soon as that is filled overflows down an incline to the one below. In this way all trays are kept filled; an overflow on the lowest tray prevents damage from accidental discharge of water onto the floor.

Humidification action adapts itself to the needs of the weather. Radiator sections are not hot on a mild day, therefore little water is evaporated; on a cold day sections are heated to provide warmth. The greater heat evaporates more moisture to temper the arid atmosphere. Absence of fans, sprays or motors is said to make the equipment absolutely silent. Timken-Detroit Co. is the manufacturer. The sheet metal cabinet enclosure comes finished in walnut or mahogany, or simply primed and ready to be finished to harmonize with the interior painting scheme.

HOT WATER HEATER. Water for kitchen, laundry and bath may be heated by the house-heating boiler through summer months as well as during the winter with installation of a new type, indirect hot water heater. Installed on a steam boiler below the water line, hot water therefrom is required to circulate through a loop inserted in the lower portion of the horizontally hung water tank. Heating the water inside the tank eliminates need for complicated circulating pipe lines, which are subject to clogging, and heating continues at a steady rate even when the fire in boiler is banked. For summer operation with boilers fired by oil burners, an inexpensive attachment may be placed on the storage tank to maintain a fixed temperature in the water. Davis Engineering Corp. makes this heater. Fuel consumption is very moderate, while the necessity for an auxiliary method of summer water heating is eliminated.

ELECTRIC HOT BED. Scientific control of plant growth is made possible by a lead covered resistance wire recently devised for heating hot beds by electricity. Placed on a sand bed over a 12 to 18 inch depth of cinders, the equipment is said to heat the six or eight inches of soil placed above it, thereby promoting germination of seeds. The 20 feet of wire, which forms, in any shape desired, the heating unit, is connected to a waterproof, rust resisting terminal box, which in turn is connected to the lighting circuit. For the hot bed which is not larger than three by six feet, the Swartzbaugh Manufacturing Co. offers a 120 watt unit, and a 240 watt unit for a bed six feet square.

WINDOW SCREEN. A new principle in screen design is offered in a unit which folds horizontally at the center, hangs from hinges at the head of the opening, and locks in position at three points on each side jamb. It is said to accomplish everything to be desired in the way of absolute insect protection, ease of application and effortless operation, while offering no interference with window washing or awning fixtures. When fully or partially opened, it will not close voluntarily. The screen is completely assembled so that no fitting of parts is necessary. It can be installed or removed while standing within the house, and requires very little storage space. The screening is heavy lacquered, 16 mesh bronze or aluminum wire cloth; frames may be of steel, bronze or aluminum. Identification numbers are applied at the factory by the makers, Kane Manufacturing Co.

GARMENT DRYER. Clothes drying is a function for the heating boiler in a recently designed equipment. The colorful, enameled steel jacket that encloses the boiler has been enlarged at one side to provide a cabinet, or drying enclosure.

The cabinet doubles the floor space occupied by the equipment, for its depth conforms to that of the boiler and it is equal in width. An access door comprises the front wall, swinging out on simple hinges. This door is reinforced to prevent distortion, and equipped with a lock seam joint so that the cabinet is dust proof when door is closed. Copperized rack and rods are fitted into the top of the cabinet, the rack hung in grooves on either side like a drawer slide, so that it may be readily slid out for hanging the clothes. Six bars in the drying chamber adjoining the five section boiler, which heats the home of average size, provides nine lineal feet of clothes space.

Heat from uninsulated sections of the boiler when operating during the winter season maintains 130 degrees F. temperature at the top of the chamber. The heated air draws moisture from the damp clothes, and escapes through a vent in the top. A damper closes this outlet when equipment is not in use. Small openings near the base of the rear wall permit fresh air to enter from the basement as the heated, moisture-laden air escapes through the top, thereby setting up a circulation of air which furthers drying action.



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With Ciné-Kodak M anyone can take clear, sharp movies from the very beginning. No focusing—just press the lever and you're making a movie. It's as easy as taking a snapshot. Price $75. Your dealer will gladly show you this uniquely acceptable gift. Eastman Kodak Company, Rochester, N. Y.

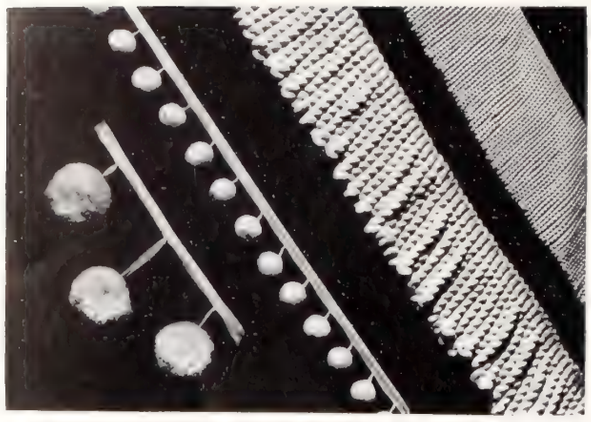
SIMPLEST OF HOME MOVIE CAMERAS

France



AREN'T you a bit tired of your cottage at the beach . . . your camp in the mountains . . . why not rent and go to France this summer? ▲ Transportation in France has progressed remarkably of late years . . . more trains, faster trains . . . cheaper tariffs . . . miraculously comfortable motor buses on all the most picturesque highways . . . a vacation you have always wanted with your dollars stretching farther than staying at home ▲ Mont St. Michel, where the Ages carry you back and back to the dawn of everything . . . Lisieux with its famous shrine . . . Chinon where Jeanne D'Arc met her king ▲ Tranquil days along the Loire where feudal castles loom like giant watch dogs over sleeping villages . . . Deauville for the races . . . lovely Biarritz, playground of European aristocracy . . . little Basque towns in the Pyrenees ▲ Arles with its old theatre where Venus de Milo was found . . . the whole Riviera with the fragrance of a million roses . . . through the routes-des-Alps to Chamonix . . . Vittel and Contrexeville nestling in the Vosges with their famous thermal springs . . . Le Touquet and La Baule provide week-ends with gay Parisians ▲ Your travel agency will supply itinerary.

RAILWAYS OF FRANCE
1 East 57th Street, New York City



THESE cotton awning fringes can be had in white or dyed to match any scheme. The bullion fringes in two weights are 6 inches deep. Ball fringe like fluffy powder puffs is a new note in awning trimmings. Consolidated Trimming Corp.

Awnings adventure into new designs

(CONTINUED FROM PAGE 46)

use this design made of the bright yellow painted duck shown, edged with ball fringe, the balls resembling fluffy white powder puffs.

5. Designed for a house by the sea, this nautical awning is made of the pencil blue duck on page 47, decorated with a big white appliqué anchor and finished with a scalloped valance edged in white cotton rope.

6. From Biarritz comes this brilliant idea for a cabana—white duck decorated with appliquéd dots in bright red, blue or green. These are about 12 inches in diameter.

7. A new asbestos material in terra cotta lined in sky-blue makes this gay awning, using both sides of the material—the terra cotta for the top and the blue for the sides and valance. Apart from its practical, non-inflammable value, the two-tone idea is entirely in tune with this season of brilliant color effects.

In addition to the designs and colors outlined above, countless engaging effects can be achieved with the new awning trimmings above. Cotton bullion fringe about 6 inches deep in two weights comes in white or it can be dyed to match any color scheme. White cotton ball fringe, particularly the larger size, is the gayest thing we have seen in some time.

The back-road lady of geranium red

(CONTINUED FROM PAGE 38)

had a gay figured hunting paper, and there was a waxed pine mantelpiece with a shivery girl in an 18th Century red coat and a silly muff giving the players a very glad eye over her shoulder. You felt she'd done well at the poker party—or what did one play in the 18th Century? The floor was polished pine too, easy to move the chairs about on, and a black fur rug lay before the hearth. The windows had Venetian blinds, one side painted white and one side red. In summer the white showed, but on cold winter nights the warm red warmed the room up.

From the back of the hall extended a covered pergola where the meals were eaten. A trumpet-vined pergola with white wicker furniture upholstered in red waterproof covering. On the table was a cloth such as used in Wein Stubes—red and white checks that, unless well covered by good food, make your eyes twitch; perhaps that accounts for the excellent food of German cafes. The indoor meals were eaten inside the hall—at the back on a long table of no interest. A huge bowl of green gourds, shellacked, stood in the center of this table.

Above-stairs were three bedrooms—the owner's, a double guest and a single guest. The latter was charming: green latticed paper walls with curtains of white duck edged in red cordings and a bedspread to match; and a most adorable semicircular dressing table with a gored skirt of white duck, the gores corded in red—this buttons onto the top with red bone buttons—may be thrown into the wash tub any Monday after a lip-sticked week-ender. A low chest of drawers serviced the occasional single man guest.

The owner's room was chintzie, with a deep chaise longue and comfortable reading and bed lamps. Two wide single beds with white knotted cotton spreads—the knots in geranium red—a white bureau and a huge closet—thank the Lord—not dressed up. After all, one's clothes are to be seen and admired on one, not on a clothes hanger!

The white tiled bath, again a bath, not a reproduction of a Pompeiian thermæ, had but one fancy touch and that was delicious. A round three-tiered tin table—white with a gilt rim. On this were the bottles and jars and atomizers and lotion containers and what-not that make us the beauties that emerge from a well-equipped dressing table seance.

The double guest room had a red and white bamboo paper and geranium red organdy curtains, a corner dressing table and bedspreads as crisp as the red carnation that got the honorable mention at the Horticultural Exhibition.

STUDEBAKER spent three years in developing these 4 GREAT "BUYS"

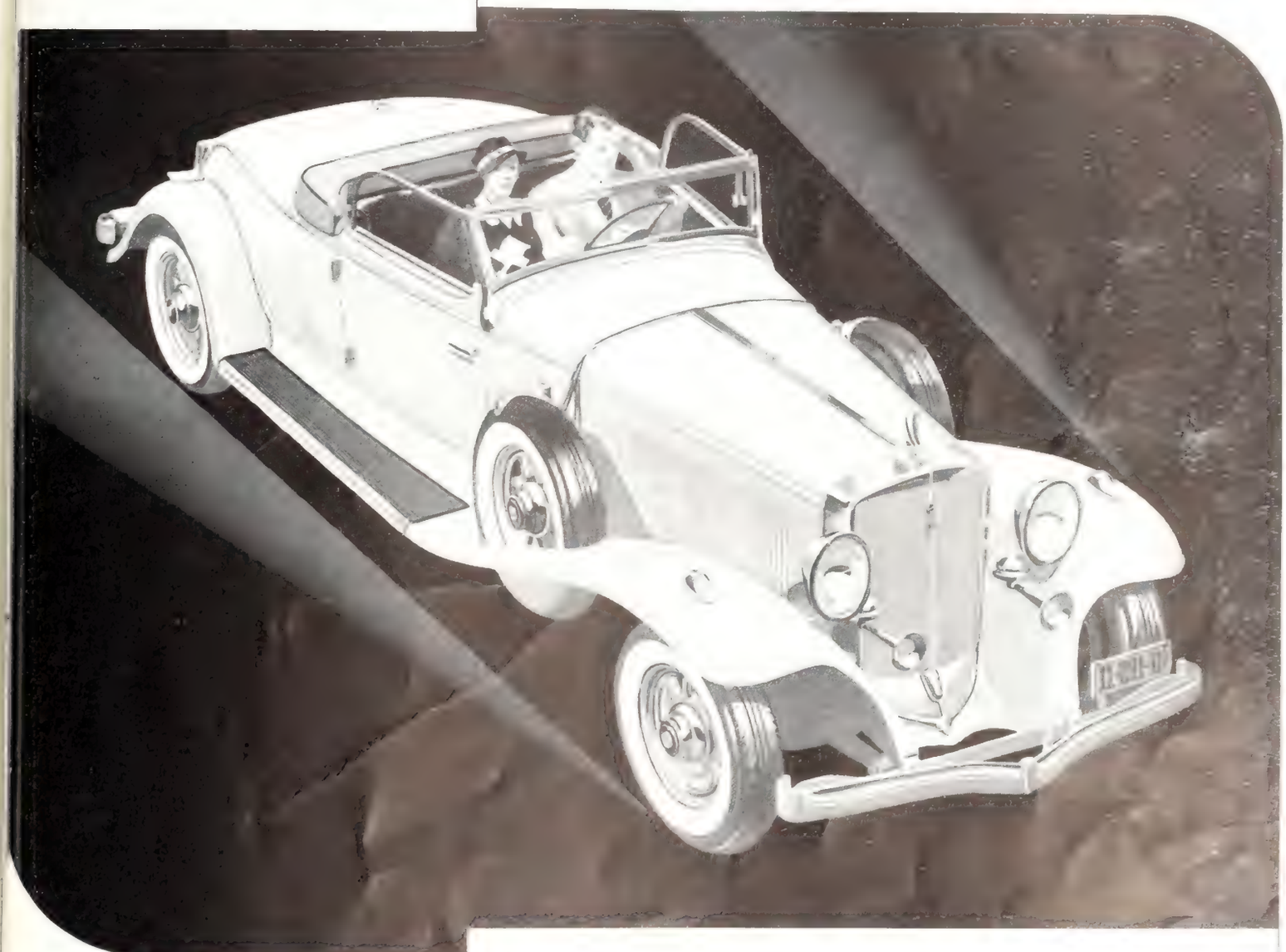
YOU saw the first step in the development of today's Triumphant New Studebakers when you saw Studebaker pioneer Free Wheeling in July, 1930.

As a matter of fact, as far back as 1929, Studebaker, with the intuition born of 80 years' experience, began preparing for the changes in the economic structure which have come.

Ahead of anybody else, Studebaker marshalled all its resources, its engineering genius, its great experimental laboratories and proving grounds into the project of producing manifestly superior cars to sell at drastically lower prices—as much as $560 under 1931!

And that is why today's Triumphant New Studebakers are [illegible] smarter, more luxurious . . . that is why they come to you with vastly finer Free Wheeling plus new *fast-action* Synchronized Shifting, with Automatic Starting at its best, with Automatic Ride Control, Full-Cushioned Power, Air-Curve Coachcraft—a total in all of 32 startling betterments including finest quality Safety Plate Glass in all windows and all windshields of all models at no extra charge.

Studebaker doesn't sell you a car today that will be out of date tomorrow. Studebaker *protects* your investment—gives you all the sound advancements *in advance* in these 4 great "buys" of 1932.



PRESIDENT EIGHT . . . . . $1690 to $1990
122 horsepower, 135" wheelbase—*Reductions up to $560*

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STUDEBAKER SIX . . . . . $840 to $985
80 horsepower, 117" wheelbase *Prices f. o. b. South Bend. Bumpers and spare tires extra.*

The Triumphant New STUDEBAKERS

BUILDER OF CHAMPIONS

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COSTS ARE DOWN . . . QUALITY IS UP

Why not get an estimate now for a first-floor washroom?

THIS is the time to make plumbing additions. Prices for Kohler style, ease and safety have gone to new lows! Now no home need consider equipment of unknown origin and uncertain service.

A two-piece Kohler washroom under the hall stairs costs surprisingly little and adds so much. Saves time. Saves steps. Aids health. Especially if you have children, and when you have guests. The space required is small — if necessary, only three by four feet.

This investment pays good dividends. It may increase the sale price on the house by double its cost. It makes rental easier — invites a better class of tenant. An extra bathroom, even a modest one, raises loan values by almost a thousand dollars.

Go to your plumbing dealer for facts and figures on Kohler products, before planning any new job, or renewal. *Compare the quality and compare the costs.* Be sure to find the Kohler mark on each part before installation. It is your guarantee of satisfaction through the years. . . . Kohler Co. *Founded* 1873. Kohler, Wisconsin. Makers of Kohler Electric Plants.



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DOROTHY PERKINS gave her name to one of the most popular Climbing Roses. She is even more famous than Frau Karl Druschki or Mrs. Aaron Ward

Selected roses and their patrons

(CONTINUED FROM PAGE 41)

most brilliant red bedder), Mme. Mcha Sabatier, Nederland.

It is too early yet to pass final judgment on the crop of 1929, but as I had experience with it before it came on the market, I feel safe in saying that President Hoover has made good in the garden; its autumn blooms are gorgeous. Mrs. Pierre S. duPont bids fair to become the best yellow garden Rose.

The 1931-32 contingent is probably the same as usual—no better, no worse; but many have already passed through my hands and I have several years of experience with them, so I may speak authoritatively. Among Hybrid Teas, some are good both in plant and flower (the flower is but one factor in judging new Roses; the plant is as important). Grenoble (Mallerin 1931), a remarkable red Rose, is very large on a lusty and robust plant; it was selected in competition to be the emblem of the City of Grenoble, France.

The three following Roses should be known as the Editorial Trio, having been named for the three foremost horticultural editors of our time, modern "Three Musketeers" forever battling for better American gardens

Editor McFarland (Mallerin 1931) a scintillant pink with a veil of amber, artistic buds on long stems fo cutting, a plant of Radiance type. Th beloved Editor (and at present Presi dent) of the American Rose Society i such a critical judge of Roses that studied it four years before daring t suggest his name.

Richardson Wright (Nicolas 1931 is a seedling of Radiance and Ville d Paris. I kept it under observation fo several years to be sure it would b worthy of the Laird of House & Gar den. It is an even blend of its tw parents; the general tonality is orchi pink and gold at the base, crinkle petals with carmine freckles and th exquisite perfume of Radiance. Th plant is 100% Radiance in habit, vig and health of foliage.

Leonard Barron (Nicolas 1931) w selected by the Editor of Americ Home himself. This variety will mak history as being the first finished ga den Rose evolved from the wild one the Arctics, *R. nutkana,* thus nam

(*Continued on page* 76)



THE Dorothy Perkins Rose, in both its pink and white forms, is the Rose of a thousand arbors. In rapidity of growth and luxuriance of bloom it is leader of the cluster-flowered clan



of a Distinguished family—

THE Packard Twin Six is a familiar name wherever men drive motor cars—a name that has taken its place in our very language. ¶ The Packard Twin Six of before the war made motor car history. The world-renowned war-time Liberty motor added to the fame of Packard Twin Six engines both abroad and at home—a fame since enhanced by the development of Twin Six marine engines for the world's fastest racing craft and the Packard Twin Six "2500," the most powerful airplane engine built in America today. ¶ And now a superb, new Packard Twin Six motor car takes to the highway again—a car of beauty, a car of supreme luxury, a car of matchless power, a car that revives the famous title of the first Twin Six—"Boss of the Road." ¶ Today's Twin Six Packard is the climax of sixteen years of continuous experience with twelve-cylinder engine designs—an experience of twice that period in the building of fine and distinguished cars. There is literally nothing by which to judge it, for it is so advanced, so modern that it defies comparison with multi-cylinder cars of conventional type. See and drive this great, new Super-Packard.



PACKARD

ASK THE MAN WHO OWNS ONE



SCORES OF CHARMING THINGS TO RECOMMEND IT

What pleasure you'll have when you really become acquainted with the new Chevrolet Six! You'll find so many charming details. So many unexpected conveniences. Scores of perfectly sound reasons why this is the ideal car for you and yours. What could be smarter than the sweeping new body contours, the studied simplicity of the hardware, or the trimness of the rich upholstery?

What more comfortable than the spacious Fisher bodies with adjustable driver's seat, and form-fitting cushions? And how can you reasonably expect to find an easier car to drive, when Chevrolet gives you *both* quick, quiet Syncro-Mesh gear-shifting and Simplified Free Wheeling, and has a very smooth, very quiet, very responsive and *very dependable* six-cylinder motor. Yet,

though you'll find it hard to believe, the new Chevrolet is remarkably low-priced and economical. And, as if these manifold attractions were not enough to recommend it, Chevrolet offers 20 body styles from which to select the type exactly suited to *you!*

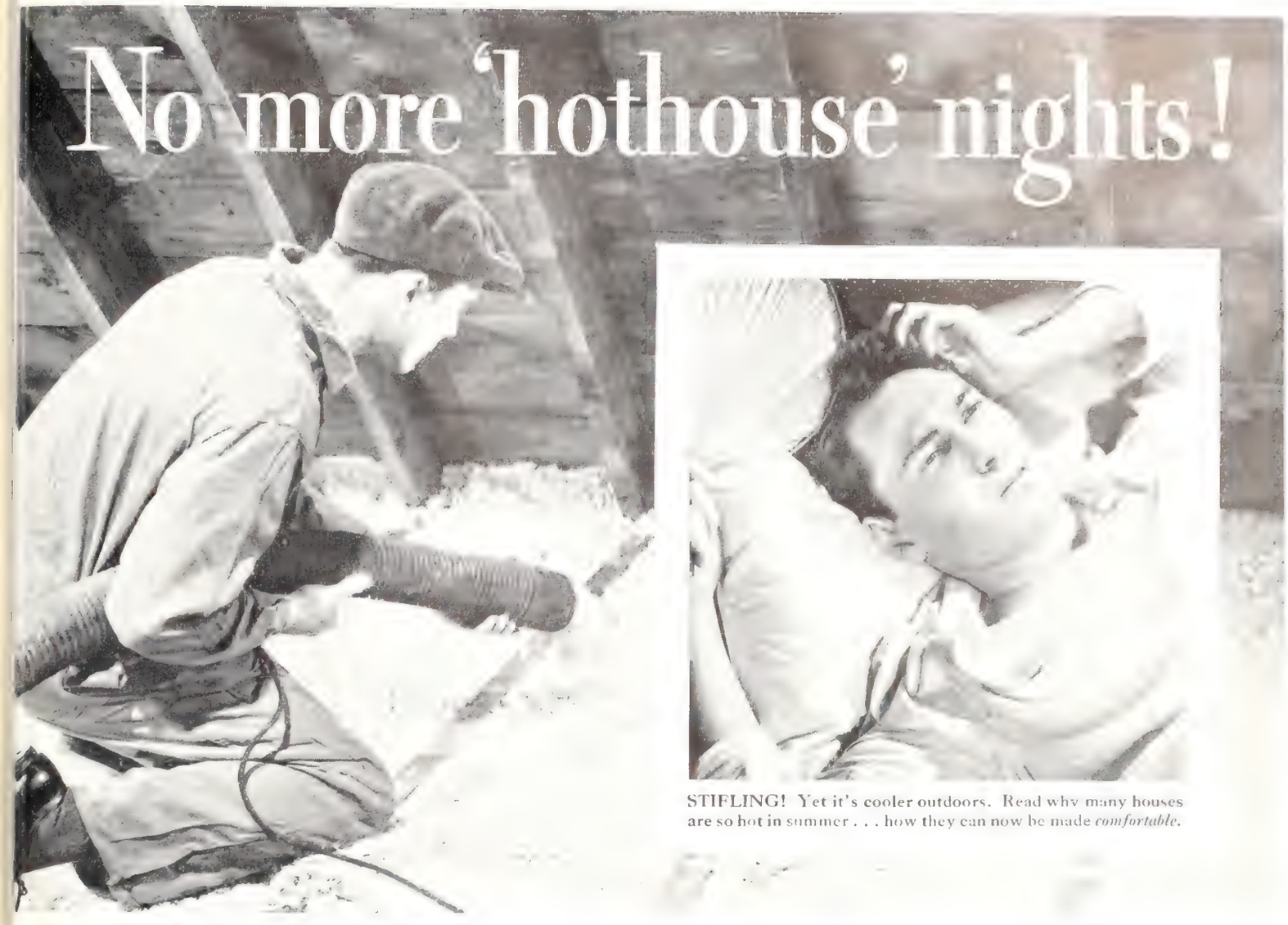
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NEW CHEVROLET SIX

THE GREAT AMERICAN VALUE

No more 'hothouse' nights!



STIFLING! Yet it's cooler outdoors. Read why many houses are so hot in summer . . . how they can now be made *comfortable.*

Here's an Amazing Discovery that keeps your house

COOL *in* SUMMER . . .

EASY TO HEAT *in* WINTER!

"Heretofore our upstairs rooms have been so hot they were unbearable. This past summer with the insulation above the ceilings in the attic the rooms were remarkably comfortable."
Wm. B. Kyser,
Memphis, Tenn.

"During last summer the temperature on the second floor was reduced 10 to 15 degrees after this insulation had been installed."
S. W. Greenland,
St. Louis, Mo.

"It is remarkable how much cooler my little frame cottage is now than it was last summer."
H. P. Smith,
San Antonio, Tex.

"The insulation in our house has given every satisfaction. We are using 40% less fuel."
Gordon Smith,
Ashburton, Md.

● For maximum comfort and fuel savings, J-M Insulation should also be installed in house walls. Most houses have hollow walls. This hollow space transmits heat in summer—draws off warmth in winter. J-M "rock wool" insulation, blown into walls as well as attic floor, thickly insulates *your whole house.*

YOU know what they are . . . those hot, stifling nights in the summer. All day the house has been like an oven. And now it simply *won't cool off!*

Why is it? Why is your home so uncomfortable? And in winter, why does it cost so much to heat?

Heat, Cold, filter through Attic

Home construction experts have traced the cause to your attic—to that empty space directly over upstairs bedrooms and underneath the roof!

In summer, as the sun beats down all day long, this empty attic space gets furnace-hot. Heat stores up—penetrates right through upstairs ceilings. And at night, long after it has cooled off outdoors, bedrooms still remain insufferable.

In winter, this process is reversed. Your attic gets icy cold. Heat escapes through upstairs ceilings. Certain rooms won't get warm . . . Constant firing . . . high fuel bills!

J-M finds the Answer

Now experience shows that to correct these faults ordinary methods of home insulation are entirely inadequate. And in their place Johns-Manville has developed a method that is truly revolutionary. It is the result of 70 years of leadership in the industrial insulation field.

Here is the method. All the spaces between the joists or cross-beams which separate the attic from the rest of your house are quickly and completely filled with a permanent, fluffy "wool" made from melted rock! This rock wool is "blown" into place with a unique J-M pneumatic process.

And as this wool is blown in, bedrooms are protected with a layer of insulation from 4 to 6 inches thick. Thus, stored-up attic heat is shut out. Winter house warmth is kept in. Actually, summer room temperature may be reduced from 8 to 15 degrees by this method . . . *winter fuel costs cut from 20 to 35 per cent!*

And the whole operation can be performed in 8 to 24 working hours!

J-M Home Insulation acts as fireproofing, too. And it's vermin-proof. Mt. Vernon and other great national shrines are protected this way.

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THIS "RAMPART" OF STEEL · ·

Safety for home and all he held most dear, inspired the overlord whose warders manned the battlements of his castle.

Today, in Cyclone Fence, *you* may enjoy protection and privacy for land and home, through the unfailing strength and permanence of steel, at its best.

Cyclone Fence raises a firm, polite barrier against intrusion. It permits a widespread vista. Affords an attractive background for vines and shrubs.

The ripened experience of 45 years of manufacturing steel fence assures a distinctively higher order of craftsmanship. Made of copper steel, heavily galvanized. Control of raw materials, manufacture and installation, make possible outstanding quality at reasonable cost.

If desired, a factory-trained crew of fence experts in the direct employ of the Cyclone Fence Company will make the installation—*and make it right.* Send for literature.

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General Offices: Waukegan, Ill.

SUBSIDIARY OF UNITED STATES STEEL CORPORATION

STANDARD FENCE COMPANY

OAKLAND, CALIFORNIA

A little nursery for choice young plants

(CONTINUED FROM PAGE 58)

sheltered spots without trouble. The small nursery might run to all three species, but a word of caution. Magnolias must have drainage. Without it, the young plants will make barely any growth for years. A separate row for Magnolias should be planned, and a bed of cinders laid a foot beneath the bed. Moreover, the soil should be sandy.

Next the Dogwood opens its silver saucers. Here and there occurs a tree with pink flowers instead of white. The Red-flowering (*sic*) Dogwood is fairly easy to grow. It is hardy as far north as Buffalo and Cleveland. Any good garden soil will suffice and no special treatment is required. There is not established a uniform shade of color or a named variety of this type as yet. For this reason, you may expect anything from a light pink to a dark pink in the way of flower (which, by the way, is not a true flower at all!) but to my prejudiced eye all these variations are equally beautiful.

As our season progresses, the waxy pink buds on the May-flowered or Clove-scented Viburnum (*V. carlesii*) begin to unfold to form flat heads of pure white. This shrub is a joy to possess. It is as fragrant as the Garland Flower (*Daphne cneorum*) and when the flowering period is over, makes an open shrub with bright green leaves.

FOLIAGE COLOR

Then leaves begin to unfold and we may be concerned with their colors, for by no means all leaves are green. Perhaps the best of the colored trees are the Japanese Maples and the Beech. The young spring growth of a true Blood-leaf Japanese Maple (*acer palmatum* var. *atropurpurea*) is possibly one of the brightest colors in Nature. As the season progresses the leaves assume a dark red tone and in the heat of August become bronzy green. But, as if to make up for their brief dereliction, the first touch of frost turns them back to a conscience-stricken mingling of red, orange and yellow. A variety (*dissectum*) is similarly colored, but adds the charm of lace-like, deeply cut foliage. Maples are very easy to grow.

The Purple Beech is a stately specimen notable for its color, which fits naturally into almost any landscape, despite its purple tone. There are several varieties—Purple, Copper and River's Purple. The differences are very slight, except for the Copper Beech, which contains more red than the others. The species, generally speaking, likes a fairly well drained location. It is rather slow growing.

Mention should be made, also, of Beeches with special form or foliage. The Weeping Beech is a drooping mound of branches and leaves sometimes fifty feet in height. It requires a considerable amount of space as a specimen. But it is entirely unique—almost suggesting the Banyan of the tropics. The Fern-leaf Beech (*heterophylla*) is sufficiently described by its name. It is well worth growing.

And with the winter the evergreens, both conifer and broad-leaf, come into their own. The broad-leaf evergreens bear true flowers, such as the Rhododendron. But much of the material available in this class of planting material requires special soil conditions, so they must be omitted from this article. There are exceptions: The *Daphne cneorum* will grow anywhere there is sunlight. But it is a dwarf shrub hardly requiring years of preparation for landscape use, hence not a subject for a private nursery.

Viburnum rhytodophyllum, or Leather-leaf Viburnum, is a charming evergreen shrub with unbelievably vivid green leaves showing against the snow. It is almost as hardy as the Magnolias. Its chief charm lies in the wrinkled, deeply marked leaves, which, however, are firm and not at all amorphous in outline. The bloom resembles its relative, *Viburnum carlesii,* and in late summer the plant is covered with fuzzy brown bud clusters. A protected spot in half shade is recommended for the best growth.

The American Holly (*ilex opaca*)—the only broad-leaved evergreen tree thoroughly hardy in the North—is an excellent subject for the private nursery. For one reason, large plants do not transplant easily even when carefully grown in commercial nurseries. Unless a large specimen can be procured within trucking distance—or the weighty balls of earth be elaborately packed for shipment at great additional expense—the only satisfactory way to obtain good healthy specimens of this species is by buying them small and growing them yourself. Even when small, they require certain peculiar attentions: Pluck off carefully every one of the handsome evergreen leaves when you set them out! The soil should be "woodsy" and shade or partial shade is preferred. Then put up some sort of wind screen during the first winter. Make sure that your Holly trees will bear plenty of bright red berries; small trees grafted from heavy-bearing specimens should be insisted on.

CONCERNING CONIFERS

As for the true evergreens, space prohibits anything but a glance here and there. Everyone knows the Koster's Blue Spruce. A newer variety—Moorheim's—is similar in most respects. It retains its blue tone through the winter perhaps better than Koster's Spruce.

Arborvitaes, Junipers and "Retinosporas" are legion and sufficiently low in price and plentiful in supply as to be out of place in our nursery rows. Later on, when the collecting blood runs more hotly in our veins, literally hundreds of charming varieties may be attempted.

Mention must, however, be made of the neglected Sargent's Weeping Hemlock. A fountain of pendant evergreen needles—soft and pleasing. It is a true Hemlock and will thrive either in absolutely dense shade or brilliant sunlight. It likes damp soil but doesn't mind good drainage. Here indeed is true tolerance! But our hero has an Achilles' heel as might be expected: he does not like wind. In March and April when the sun is getting warmer and the nights remain cold, the Hemlocks wherever exposed to strong winds suffer from evaporation of the needles, which dry and drop off. The tree is not killed, but is made unsightly. A little care in setting up wind screens—or even a box of 12 inch boarding

(Continued on page 76)

"Here's Something New—

COLORED SHOWER CURTAINS to match your BATHROOM!"

$3.95 ANY SIZE



• 7 Colors to Choose From
• 100% Pre-Shrunk (*Sanforized*)
• Guaranteed Non-Fading

Fast-color shower curtains in orchid, rose and 5 other shades enable you to harmonize your bathroom. "Peerless" Shower Curtains are entirely new and different. They will not check, crack or peel—they are positively guaranteed not to shrink or fade. Neatly tailored with all edges hemmed. Send for sample swatches of this practical, economical curtain.

COUPON BRINGS FREE SWATCHES of Peerless CURTAINS

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When interiors in the formal manner pall

THERE come moments when the formal interiors of great houses cause nostalgic yearnings for the peaceful intimacy of a small cottage. Recognizing this, clever decorators seek to recreate in the interiors of sumptuous homes the charm and simple grace of the small house.

Many of the most appreciated and most lived-in rooms are furnished in Danersk Maple and Knotty Pine. The unpretentious warmth and informality of these lovely pieces depends upon faithful adherence to the strict conventions of tradition that only Danersk craftsmanship affords.

In our ever-growing collection of American designs you will find cabinets lined with lovely old-time glazed papers—chairs with hand-shaped spindles and one-piece seats—fashioned just as the careful cabinetmakers of early New England built their furniture.

When you visit our showrooms—and you will find a visit most worthwhile—ask to see the new Danersk creations in contemporary design—"Almolu," and "Louisianne." Write for illustrations of new Danersk designs.



Marshfield cupboard $175. Comb back Windsor chair $34. Complete dining group $433

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8 A. M. JUNE MORNING

Nothing so befits a fresh spring morning as a breakfast service of [illegible]. This quaint pattern, the "Hermitage", is derived from the "thumbprint" design of our colonial days. It is *particularly* in vogue just at the minute. As smart for luncheon as it is for breakfast, and it comes in 6 lovely colors. The flower-bowl (shown above) lends a gay touch to the table, but may be used separately to add new beauty to any room. You'll be pleasantly surprised to learn how modestly "Hermitage" is priced.

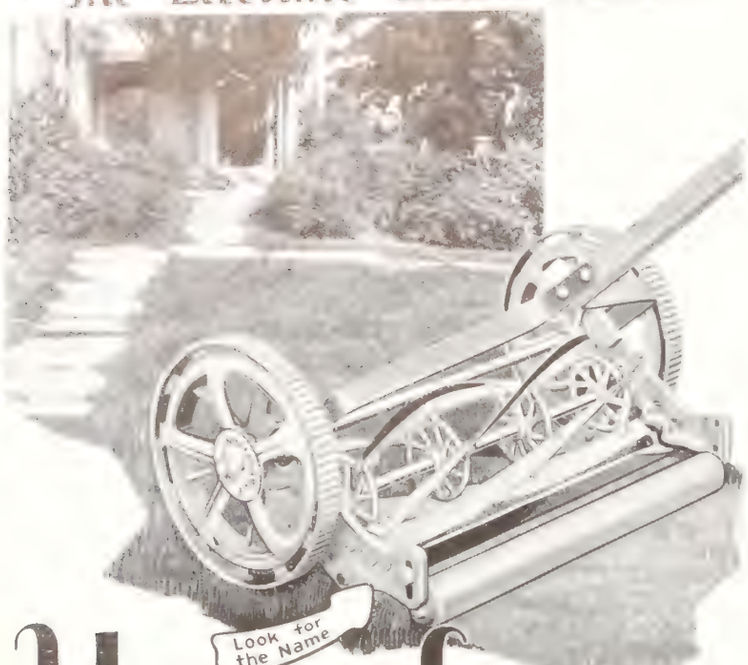


8 P. M. JUNE EVENING

And on those balmy spring evenings, when the tinkle of ice is music to the ears, you'll want to serve drinks in these Fostoria "Hermitage" pattern glasses. Highball size, cocktail size, "old-fashion" cocktail size, and liquor [illegible]

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Your Lawn deserves the best

YOUR lawn advertises your home to all who pass. Keep it looking its best—with the famous NOVO Lawn Mower. According to thousands of users, it cuts smoothest and runs easiest. *Silent, too!* . . . Yet it is moderately priced—costs least of all when you consider its freedom from repair expense and its longer usefulness . . . The NOVO is *guaranteed to last a lifetime*—made throughout of steel and other *unbreakable* materials, rigidly interlocked.

Ask your dealer to demonstrate NOVO's many superior features—and for valuable free booklet, *Beautiful Lawns.* Or mail coupon below.

NOVO
REG. U.S. PAT. OFF.
THE UNBREAKABLE
Lawn Mower

A regular stock NOVO was plunged from a speeding airplane [illegible] was buried in the earth by the terrific impact as it [illegible] Its rigid frame was not even sprung out of alignment!



THE F. & N. LAWN MOWER CO.
Richmond, Indiana

City, State

A little nursery for choice young plants

(CONTINUED FROM PAGE 74)

[illegible] the nursery row will remove all worry. Then, of course, when the young specimen is large enough to be set out permanently, it must be given a choice sheltered position. But it is well worth the trouble.

Tastes differ. I have attempted to list here varieties of the better sort which are almost universal in their appeal, and a very great many thoroughly delightful trees and shrubs will receive no mention, but if I succeed in conveying the general idea it will be sufficient. A small collection may be added to from a dozen sources. Nursery catalogs and horticultural books may be consulted—to say nothing of the back files of House & Garden. The fascination and satisfaction of collecting rare and charming hardy trees and shrubs must be experienced to be believed, and the cost can always be reduced to a minimum by planting them small.

$600 decorates a summer dining room

(CONTINUED FROM PAGE 49)

radiating lines and border in rich eggplant tone; the four inserts are a dark, rich green.

The cost of furnishings follow:—

Dining table	$88.00
Eight chairs at $26.00 ea.	208.00
Two consoles at $20 ea.	40.00
Four columns at $22.25 each (including wiring and lights)	89.00
Mirror and Anaglypta	25.35
Anaglypta for trim of doors and windows	72.80
Two pairs of curtains at $10 ea.	20.00
Linoleum	53.50
Two door plates at $1.30 ea.	2.60
Total	$599.25

Selected roses and their patrons

(CONTINUED FROM PAGE 72)

for the Eskimo tribe of Nutkas and one of the hardiest Rose species known. This new strain will move back several hundred miles the northern boundaries of the Hybrid Tea. The first cross of this species with garden Roses was made several years ago by Rev. Geo. M. Schoener, then at Brooks, Oregon, from whom I received a plant of the only seedling he had ever been able to obtain, this from the pollen of a Hybrid Perpetual, Paul Neyron. After a few years of crosses and experimentation, one seedling out of a thousand was finished enough to enter the Editorial Trio. The flower is immense, full to the center, a blend of terra cotta, salmon and gold with the fragrance of the wild Nutkana Rose, comparable to red cedar when one sharpens a new pencil.

There are two other Hybrid Teas put in commerce this year but with which I have been acquainted since 1928 when I saw them first in England and brought them over:

Dazla (B. R. Cant 1931), the most dazzling rose color yet known; semi-single but immense, brownish orange and scarlet with a wide aureole of gold around the tuft of stamens; must be planted in masses for best effect. The other is Essence (B. R. Cant 1931), the long sought double Etoile de Hollande; its name bespeaks the fragrance.

Two yellow roses of American origin, primarily destined for the florist trade, have proved equally good in the garden: Roslyn (Towill 1931), an improved Claudius Pernet minus the black heart plus better foliage, Dotty (Towill 1931), large orange flower that stays orange, perfumed, healthy foliage.

The most sensational Hybrid Tea of recent years will make its début this autumn both as a florist and garden variety, Comtesse Vandal. It comes from Holland and has captured most of the honors, medals, cups, etc. of the year 1931 in European shows. A mixture of Ophelia, Mrs. Aaron Ward and Souv. de Claudius Pernet, its color combination is artistic while at the same time modernistic: gold, copper, orange, carmine, terra cotta are in riot yet blend softly. The bud is very long and tapered, the bloom large and full.

In climbers, we are entering a new era, the hardy everblooming climber. New Dawn, an everblooming form of Dr. W. Van Fleet, is rather disappointing as its summer blooms, because of the heat, have lost the pearl luster that made Dr. Van Fleet famous and turn to a dull tinted white. An everblooming form of Paul Scarlet climber will make its appearance in the autumn of 1932; it has been thoroughly tested and actually is "everblooming" in profusion, not merely in casual flowers as several climbers do. Scorcher (an appropriate name!) is the first Australian climber to have imposed itself in America; large semi-single blooms of a scorching red like molten steel flowing from blast furnaces, the petals are irregularly but artistically notched, quite hardy.

I raised the cry, "A holiday on Hybrid Teas". It is coming insofar as better strains are being perfected. It is not so apparent because of the nefarious contention in some quarters that all garden Roses should be classed as Hybrid Teas; the result is that the layman who, after all, is the cash customer supporting the industry, cannot separate in catalogs the goats from the sheep.

Wild Roses (species) from all parts of the world are being tamed for our gardens; Horvath of Ohio has worked out of our own *R. setigera* (Prairie Rose) a line of hybrids, bush and climbers. I have already mentioned the Nutkana strain, several other hybrids of which are being groomed for dissemination. We know the *Rugosa;* after many years of efforts in taming the shrew, we have hybrids of moderate growth and "hybrid tea" bloom favorably comparing with the best bedding Hybrid Tea, plus a better foliage and more winter resistance. Schwabenland is one of these, with a mammoth pink Peony bloom with gold at the base; another is a pure white, delightfully

(*Continued on page 78*)

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Selected roses and their patrons

(CONTINUED FROM PAGE 76)

fragrant, still unnamed but which will soon be available. These will do everything expected from Hybrid Teas while refusing to die in winter. Perhaps the only Rose that will stand 40° below zero in the northern Prairie States (where the Appletree freezes) is a species, probably imported at one time or another, as it is entirely different from any of our native Roses and which has defied botanical classification; lacking a better name, I call it *R. frigida immuna* because of its uncanny resistance to cold and complete immunity from any Rose disease (I tried to inoculate it with black spot and failed). A line of fairly decent garden hybrids are on the way which, when once planted, will stay put anywhere.

During my European Rose pilgrimage of 1928, I heard that botanists were wrangling over the classification and a name for a remarkable new Rose species recently discovered in the glaciers of the Tyrolese Alps; they have not yet arrived at a solution and it is still listed as "Jardin des Plantes No. 543."

I at once managed to secure two plants of it. Its origin warrants extreme hardiness and I found it also absolutely immune from mildew, black spot and what-not that bother Hybrid Teas; I have now forty-two types of hybrids, some everblooming and good enough to grace any formal garden, and soon that strain will be available.

From the Leningrad Botanical Garden (by-the-way, one of the finest in the world) I received a specimen of a Rose discovered in the virgin forests between the Baltic Sea and Gulf of Bothnia where summer is a myth and the land frost-locked nine months of the year. It has a beautiful large pure white flower heavily perfumed with a scent of its own. In a few years, we will have the Baltic strain of garden hybrids that will laugh at Boreas.

EDITOR'S NOTE: *House & Garden will be glad to advise interested readers where these various Roses can be obtained, if inquiries are addressed to the Readers' Service.*

Hobcaw Barony of the Carolinas

(CONTINUED FROM PAGE 52)

their delightful visits and gave him no peace until he consented to build.

Mr. Baruch, a native South Carolinian, born in Camden, felt it only right to have his residence planned by native architects and built with native labor, utilizing as far as possible materials from the state. As a consultant, he retained Mrs. Ruth Fleischmann, a New York decorator, upon whose shoulders fell the task of supervising construction and decoration. Outside of instructions that the building must have a large colonnaded porch, similar to Mt. Vernon; that it must be fireproof, have ten bedrooms, each with a bath and wood-burning fireplace, and that the living room have an open fireplace at each end, Mr. Baruch left the details to the architects, Lafaye & Lafaye, and Mrs. Fleischmann.

The construction of a building as large as this, in such a secluded and out-of-the-way part of the country proved far from simple. Every bit of masonry and lumber had to be freighted from Camden or Columbia to Georgetown, and thence by small boats over to the island. The heat was at times terrific.

In order to land materials on the island, a small dock had to be constructed from the shore. With the first load, this promptly gave way, precipitating brick, lumber and darkies into the water. Probably the greatest trial of all, however, was the native labor. The workmen were mostly mahogany-skinned darkies who would lay a brick, then rest—lay another, rest, etc. When a picture was to be taken showing progress of construction special effort was made to get into the picture three darkies working at the same time. After great effort had been wasted, the idea was abandoned. Nothing one could do would make the "workers" mend their ways or speed production.

Most of the furniture for the house, purchased at auctions and private sales, is either Early American or English and blends in with the architecture admirably. Indeed, the family was so pleased with the arrangement originally made that since then they have not moved a piece or added a thing.

There is an amusing story which was related to me and would fit preeminently in with those annals which deal humorously with Big Business. It concerns the time a number of powerful figures from Wall Street, Charles Mitchell, Robert Goelet and others, came down on a visit. It wasn't long before they discovered there was no telephone at the residence, the nearest being across the bay, in Georgetown. As the next day wore on the bankers became more and more ill at ease. Finally, one by one, they invented excuses for going over to the village grocery. Here each newcomer took his place in line before the one telephone, awaiting a turn to call New York, Boston or, as one actually did, Paris.

APOLOGIA

The article "Gardens on parade" in our April issue erroneously spoke of that historic old place, Kenmore, the home of Col. Fielding Lewis, whose wife was George Washington's sister, as being at Williamsburg, Virginia. We take this opportunity to correct ourselves. Kenmore is at Fredericksburg, Va., a place closely associated with George Washington's early life.

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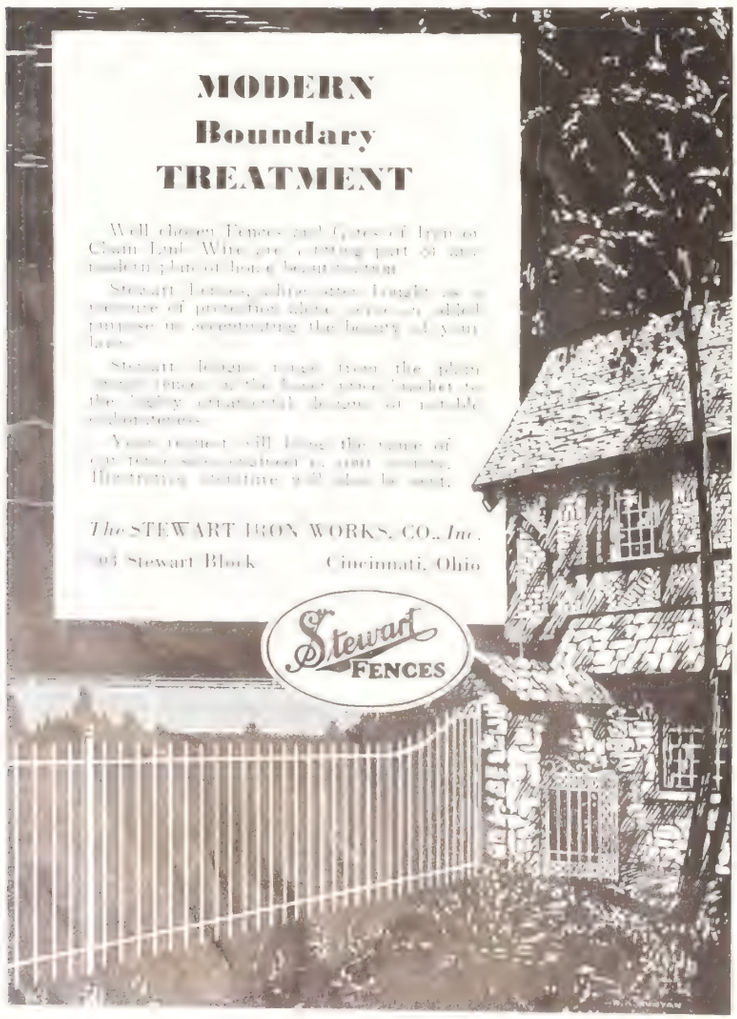
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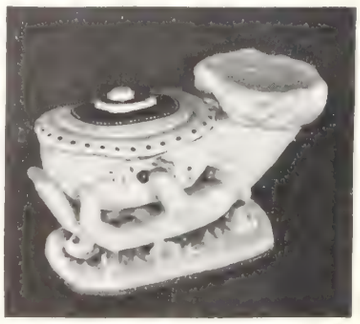
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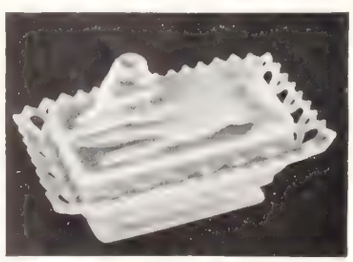
PAPIAN hand vase and a flower holder made of Bristol glass. From Bruce Buttfield



A TINY china jewel box takes the form of a basket in a woman's hand. Bruce Buttfield



TWO HANDS cupped to catch ashes are of cast brass painted gold. Bruce Buttfield



A CHARMING box of snowy milk glass has a lacy edge and cover decorated with a bird in hand. Jones & Erwin

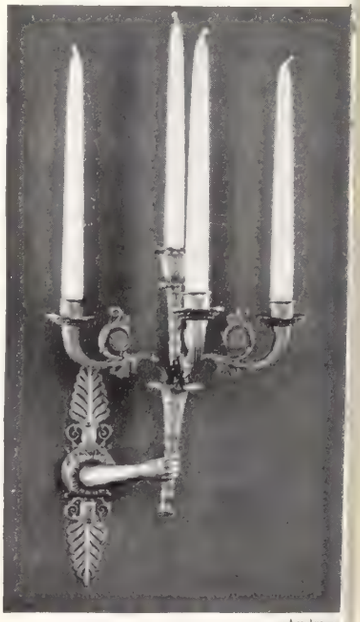
THE PECULIAR fascination exerted by hands has appealed to artists and designers throughout the ages. Other men upon whom they have likewise cast their spell collect them in endless quantity and variety.

At various intervals in the past, hands have lent a whimsical touch to decoration. The Victorians were attached to such charming uses of manual ornamentation as the two graceful flower holders illustrated—the one of white ceramic, the other a delicate thing of translucent, blue-white Bristol glass with a painted floral decoration. The china jewel box, decorated in vivid blue, green, purple and red, with accents of gold, the two-handed ash-tray and the chaste white box below it are of the same period.

Counterparts of the door-knocker below are to be seen on front doors throughout Spanish countries. This one is a copy of an old knocker found on a house in the West Indies. The graceful torchère has a French origin.



THIS hand of shiny brass is an unusual and effective door-knocker. Mrs. Rector



Anderso

ONE of a pair of gilded bronze side-lights in the form of torchères supported by out-thrust arms. Tate & Hall

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The garden scrap book

HOOK UP THE VALVE. One of the newest of the small garden gadgets is the lead vine support hook for use on Climbing Roses trained [illegible] vines to extend to keep [illegible] on trellises or walls of [illegible] masonry or wood. It is [illegible] stores by the Star Expansion Bolt Co., 147 Cedar Street, New York.

Briefly described, the device consists of a flattened strip of lead composition pierced at one end by a galvanized nail which in turn fits into a split sleeve of sheet lead. A small drill accompanies each box of hooks for making the holes to receive these sleeves.

To apply, a hole is drilled into the wall and the split sleeve slipped into it. The nail is then driven into the sleeve, thereby expanding it and securely anchoring the lead strip. The final step is to bend this strip to accommodate the plant stem.

In ordering these hooks it is advisable to specify whether they are to be used on wood or masonry, as this affects the size of the nails.

PEATMOSS MULCHES. On numerous occasions HOUSE & GARDEN has strongly urged the use of peatmoss as a soil improver for many different kinds of planting, as well as for mulching purposes. It must be borne in mind, however, that this excellent material needs to be properly handled.

Especially in the case of mulching should peatmoss be used with intelligence. It is one of the best of all materials for conserving the moisture of the water that falls and never lets [illegible] conserves whatever water is in the soil, it should be raked aside before a [illegible] replaced after the water has soaked into the soil. If you fail to do this you are likely to find that [illegible] has been broken by a longed-for rain, the breaking will be effective only part [illegible]

When actually well mixed with the soil, of course, peatmoss is ideal both as a water conserver and yielder.

WARM THE SPRAY. Mealy bugs are among the most pestiferous of pests, especially on house plants, and their control is no small problem. We are indebted to Mr. Ewald Thompson, of Andrew Wilson, Inc., for the suggestion that if sprays are warmed to about 120° before application, their effect on these pests is greatly strengthened. A temperature such as this does not injure the plants, but it does soften the waxy covering of the mealy bug's body and permits the destructive chemicals in the spray to get in their best work. Spraying on two successive days is advisable.

The increasing vogue of Chrysanthemums

[illegible] equally understood. For [illegible] drawn blooms give life and beauty to the garden after all other flowers are gone, and they are so satisfactory for cutting. Their wonderful showing last fall indicated their growing popularity.

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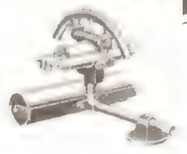
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